LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.518	780	788	798	rVB2	127734	230111	7.07%	0.766%
2	11.339	1258	1268	1273	rBV	205448	400967	12.32%	1.335%
3	11.386	1273	1276	1286	rVB	64930	112472	3.46%	0.375%
4	12.954	1535	1543	1552	rVB	36782	64296	1.98%	0.214%
5	13.172	1568	1580	1587	rBV	29237	51227	1.57%	0.171%
6	14.271	1758	1767	1775	rVB5	19206	49028	1.51%	0.163%
7	14.417	1784	1792	1798	rBV3	30106	60025	1.84%	0.200%
8	15.105	1893	1909	1914	rBV2	328018	591021	18.16%	1.968%
9	15.170	1914	1920	1926	rVB	273019	448944	13.79%	1.495%
10	15.499	1968	1976	1982	rVV	106862	185745	5.71%	0.619%
11	16.145	2080	2086	2095	rVV	225023	375841	11.55%	1.252%
12	16.268	2095	2107	2110	rVV2	34558	97330	2.99%	0.324%
13	16.303	2110	2113	2118	rVV4	37271	60708	1.87%	0.202%
14	16.433	2125	2135	2144	rVB2	50717	117095	3.60%	0.390%
15	16.586	2155	2161	2168	rBV2	50290	112159	3.45%	0.374%
16	16.779	2187	2194	2207	rBV5	35505	84780	2.60%	0.282%
17	17.144	2245	2256	2261	rBV3	55977	135416	4.16%	0.451%
18	17.296	2277	2282	2288	rVB3	28822	50128	1.54%	0.167%
19	17.367	2288	2294	2298	rVV6	31715	67366	2.07%	0.224%
20	17.414	2298	2302	2311	rVV3	31287	75781	2.33%	0.252%
21	17.496	2311	2316	2322	rVV6	20241	44844	1.38%	0.149%
22	17.573	2322	2329	2340	rVV6	40372	127703	3.92%	0.425%
23	17.672	2340	2346	2356	rVB	66782	114937	3.53%	0.383%
24	17.855	2370	2377	2380	rBV	417817	702800	21.59%	2.341%
25	17.896	2380	2384	2391	rVV	743977	1157866	35.58%	3.856%
26	17.984	2391	2399	2405	rVV	228215	416804	12.81%	1.388%
27	18.043	2405	2409	2418	rVB2	39733	73667	2.26%	0.245%
28	18.248	2439	2444	2459	rBV2	80805	205522	6.31%	0.684%
29	18.366	2459	2464	2471	rBV4	26644	57173	1.76%	0.190%
30	18.430	2472	2475	2486	rVV5	19590	53210	1.63%	0.177%
31	18.718	2508	2524	2528	rVV	113390	213057	6.55%	0.710%
32	18.771	2528	2533	2538	rVB	148382	245082	7.53%	0.816%
33	18.848	2539	2546	2551	rBV2	75366	130948	4.02%	0.436%
34	18.924	2551	2559	2569	rBV4	338705	745490	22.90%	2.483%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

35	19.206	2602	2607	2611	rBV	85484	127063	3.90%	0.423%
36	19.253	2611	2615	2623	rVB2	105294	164937	5.07%	0.549%
37	19.447	2639	2648	2652	rBV4	39076	70565	2.17%	0.235%
38	19.500	2652	2657	2660	rVV2	33459	50497	1.55%	0.168%
39	19.535	2660	2663	2668	rVB	36373	46244	1.42%	0.154%
40	19.617	2670	2677	2682	rBV	79553	155865	4.79%	0.519%
41	19.688	2682	2689	2697	rVB5	59472	151321	4.65%	0.504%
42	19.764	2697	2702	2712	rBV4	51114	124397	3.82%	0.414%
43	19.893	2712	2724	2730	rBV	2121917	3254708	100.00%	10.839%
44	19.976	2735	2738	2744	rVB3	53099	73992	2.27%	0.246%
45	20.076	2749	2755	2758	rBV4	38552	69738	2.14%	0.232%
46	20.134	2759	2765	2773	rVB2	77614	165336	5.08%	0.551%
47	20.211	2773	2778	2781	rBV2	302709	557458	17.13%	1.857%
48	20.252	2781	2785	2791	rVV	1583484	2347487	72.13%	7.818%
49	20.311	2791	2795	2801	rVB	95630	149433	4.59%	0.498%
50	20.422	2801	2814	2818	rBV	122789	261480	8.03%	0.871%
51	20.487	2819	2825	2831	rVV	60179	126408	3.88%	0.421%
52	20.563	2831	2838	2845	rVV4	143859	352791	10.84%	1.175%
53	20.628	2845	2849	2853	rVV2	27042	42957	1.32%	0.143%
54	20.734	2854	2867	2873	rBV	321353	745240	22.90%	2.482%
55	20.833	2878	2884	2888	rBV	246349	413552	12.71%	1.377%
56	20.898	2888	2895	2899	rVV2	159850	384410	11.81%	1.280%
57	20.933	2899	2901	2905	rVV2	69398	92745	2.85%	0.309%
58	20.969	2905	2907	2914	rVB2	39721	67104	2.06%	0.223%
59	21.045	2914	2920	2925	rBV2	104364	204083	6.27%	0.680%
60	21.098	2925	2929	2936	rVB	95443	169413	5.21%	0.564%
61	21.186	2940	2944	2953	rVB8	25465	67885	2.09%	0.226%
62	21.321	2962	2967	2969	rBV3	26515	46881	1.44%	0.156%
63	21.362	2970	2974	2978	rVV5	56825	98095	3.01%	0.327%
64	21.403	2979	2981	2993	rVB6	58481	137327	4.22%	0.457%
65	21.497	2993	2997	3001	rBV4	58701	115533	3.55%	0.385%
66	21.556	3002	3007	3014	rVB2	115279	215803	6.63%	0.719%
67	21.762	3032	3042	3046	rVV2	154397	354802	10.90%	1.182%
68	21.809	3046	3050	3055	rVV	119760	220927	6.79%	0.736%
69	21.868	3055	3060	3065	rVV3	136554	287313	8.83%	0.957%
70	21.920	3065	3069	3083	rVB2	94161	233794	7.18%	0.779%
71	22.067	3083	3094	3101	rBV4	50929	176474	5.42%	0.588%

LSC Area Percent Report

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Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

72	22.214	3105	3119	3126	rBV3	701879	2223920	68.33%	7.407%
73	22.285	3126	3131	3144	rVB	521022	1120364	34.42%	3.731%
74	22.455	3154	3160	3167	rBV2	61948	137501	4.22%	0.458%
75	22.531	3169	3173	3178	rBV8	21901	52700	1.62%	0.176%
76	22.684	3191	3199	3205	rBV2	84325	210634	6.47%	0.701%
77	22.755	3206	3211	3223	rVB9	33297	93771	2.88%	0.312%
78	22.890	3225	3234	3235	rBV8	24336	50841	1.56%	0.169%
79	23.043	3250	3260	3267	rBV2	98716	266367	8.18%	0.887%
80	23.125	3268	3274	3283	rVB3	70082	180455	5.54%	0.601%
81	23.225	3286	3291	3296	rBV5	22025	45637	1.40%	0.152%
82	23.284	3297	3301	3307	rVB6	23428	48193	1.48%	0.161%
83	23.360	3307	3314	3317	rBV3	48117	101213	3.11%	0.337%
84	23.413	3319	3323	3332	rVB5	58957	135430	4.16%	0.451%
85	23.513	3332	3340	3348	rBV4	40921	110265	3.39%	0.367%
86	23.795	3381	3388	3394	rBV3	43036	109171	3.35%	0.364%
87	24.288	3461	3472	3488	rBV5	32814	141478	4.35%	0.471%
88	24.470	3494	3503	3512	rVB10	20157	60753	1.87%	0.202%
89	24.717	3533	3545	3554	rBV3	401083	1644963	50.54%	5.478%
90	25.005	3587	3594	3610	rVB2	47982	156543	4.81%	0.521%
91	25.246	3625	3635	3639	rBV6	42448	136535	4.19%	0.455%
92	25.540	3676	3685	3700	rVB2	167673	554020	17.02%	1.845%
93	25.704	3703	3713	3728	rVB	216902	730207	22.44%	2.432%
94	25.886	3731	3744	3753	rBV	225329	767262	23.57%	2.555%
95	25.969	3754	3758	3774	rVB4	58901	221755	6.81%	0.739%
96	26.368	3814	3826	3828	rBV6	15518	50134	1.54%	0.167%
97	30.081	4445	4458	4484	rVB5	69366	433778	13.33%	1.445%
98	30.340	4497	4502	4518	rVB5	18148	71935	2.21%	0.240%
99	30.604	4533	4547	4550	rBV5	20833	67741	2.08%	0.226%
100	31.403	4667	4683	4699	rVB6	18878	119340	3.67%	0.397%

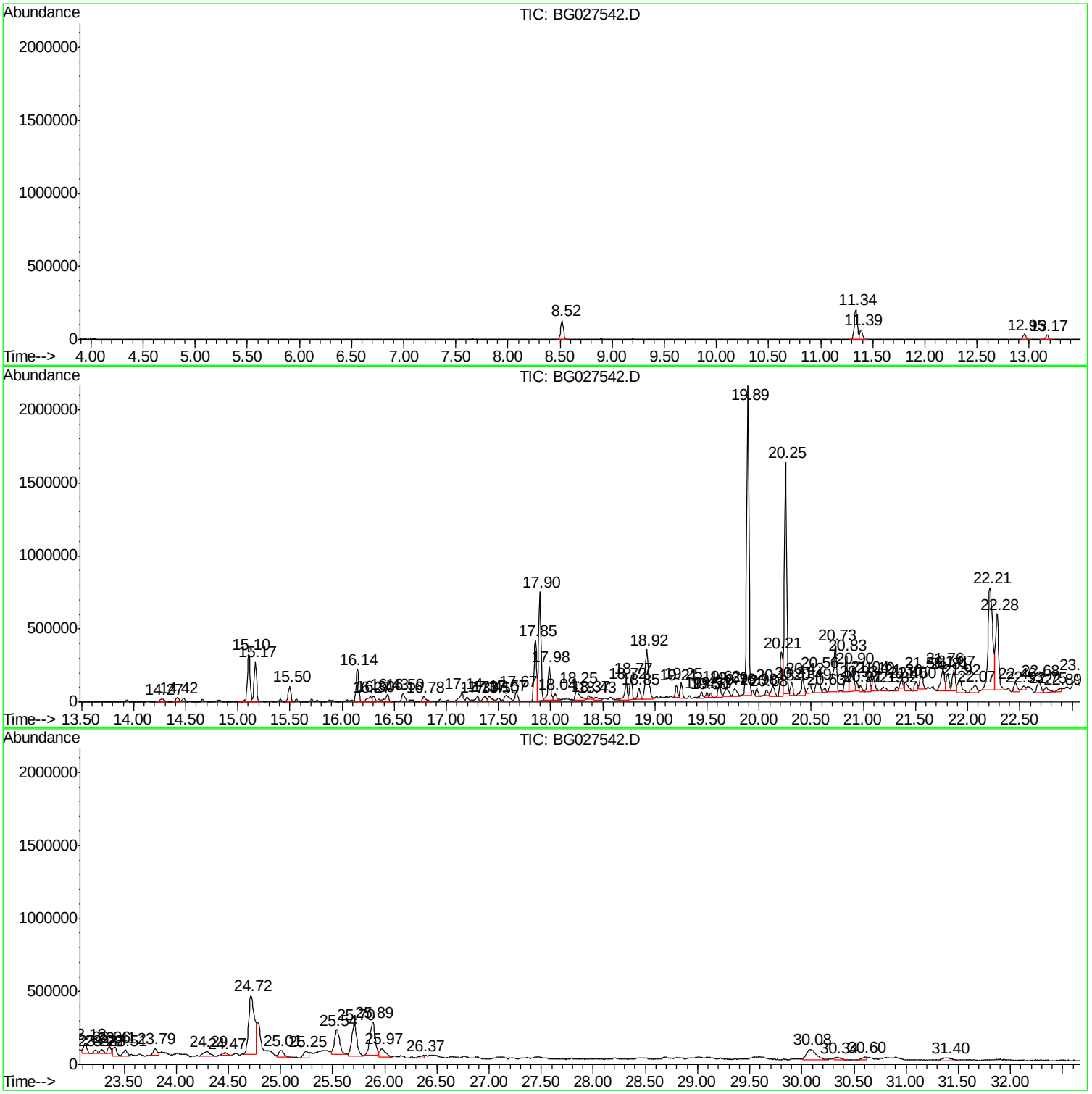
Sum of corrected areas: 30026507

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
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Sample : I3599-10DL 30X
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

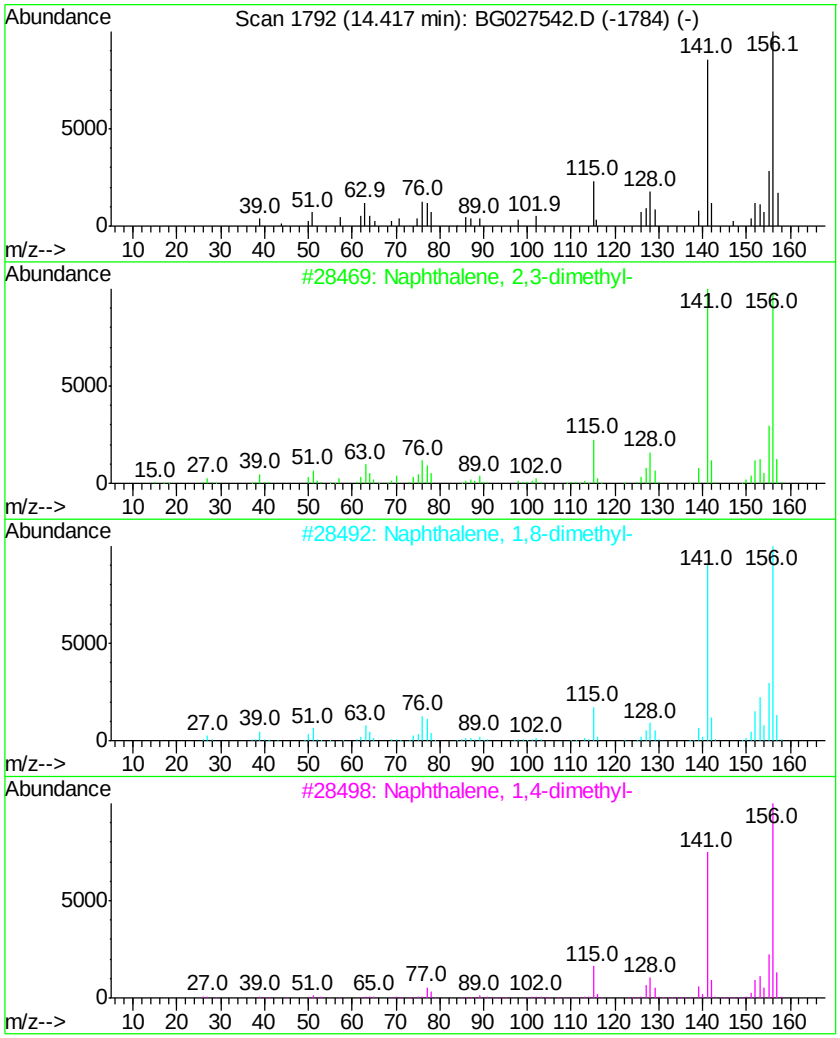
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

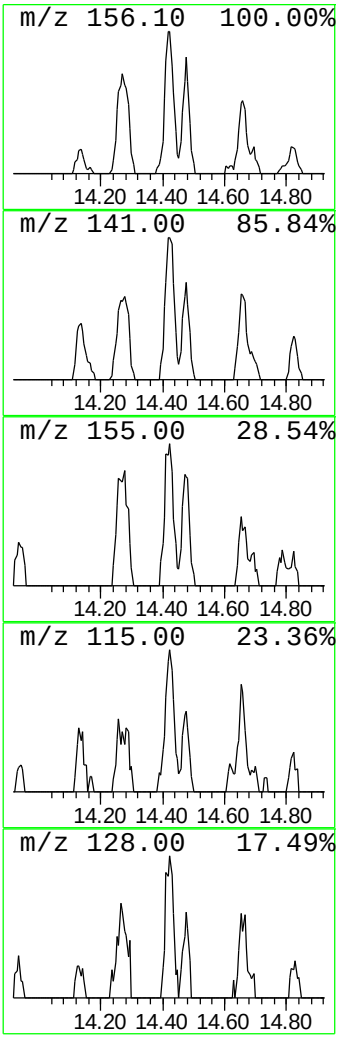
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.03 ng/ul	60025	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

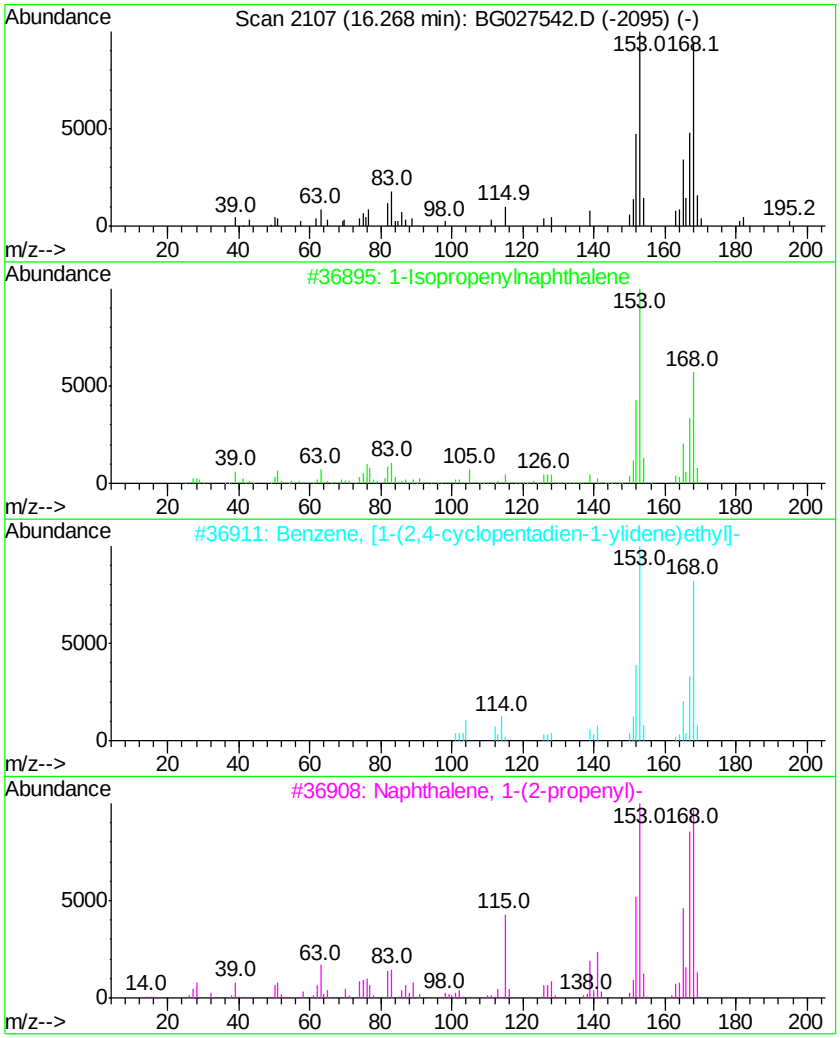
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

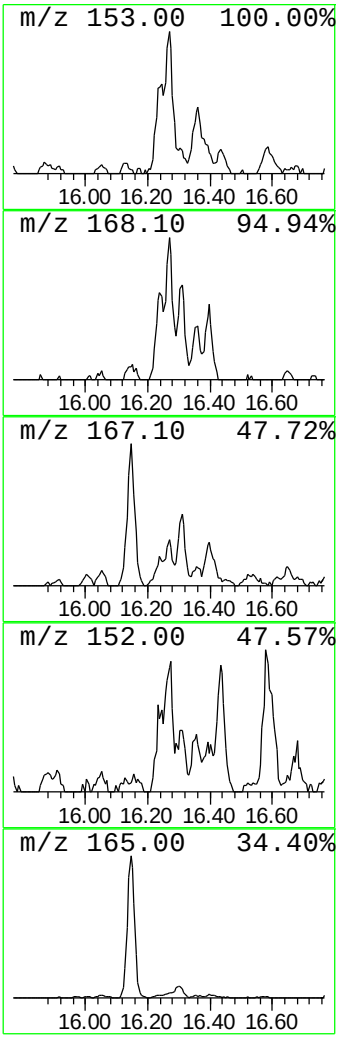
****

Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	3.29 ng/ul	97330	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

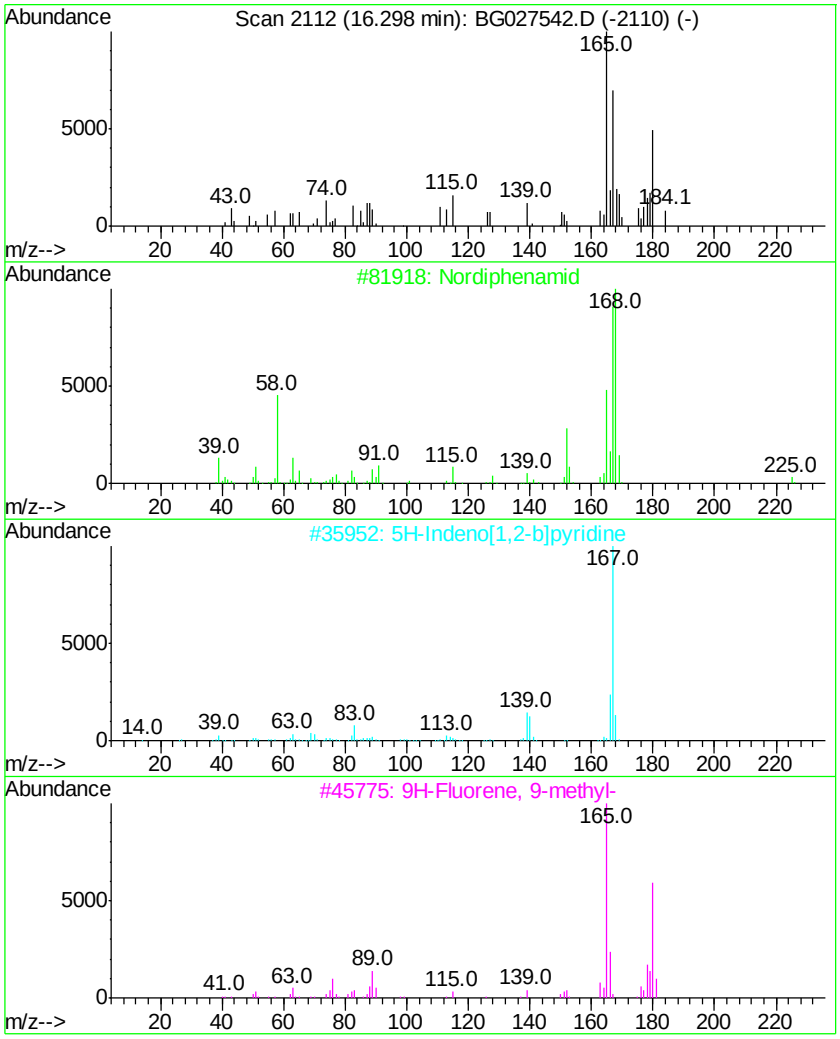
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

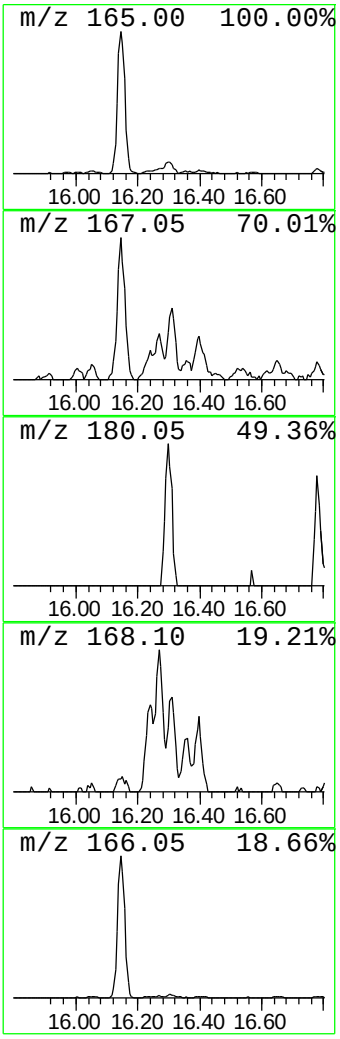
****

Peak Number 4 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	2.05 ng/ul	60708	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	38
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	30
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	30
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	27
5	Acetamide, 2,2-diphenyl-N-(2-ben...	345	C23H23NO2	329919-60-0	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

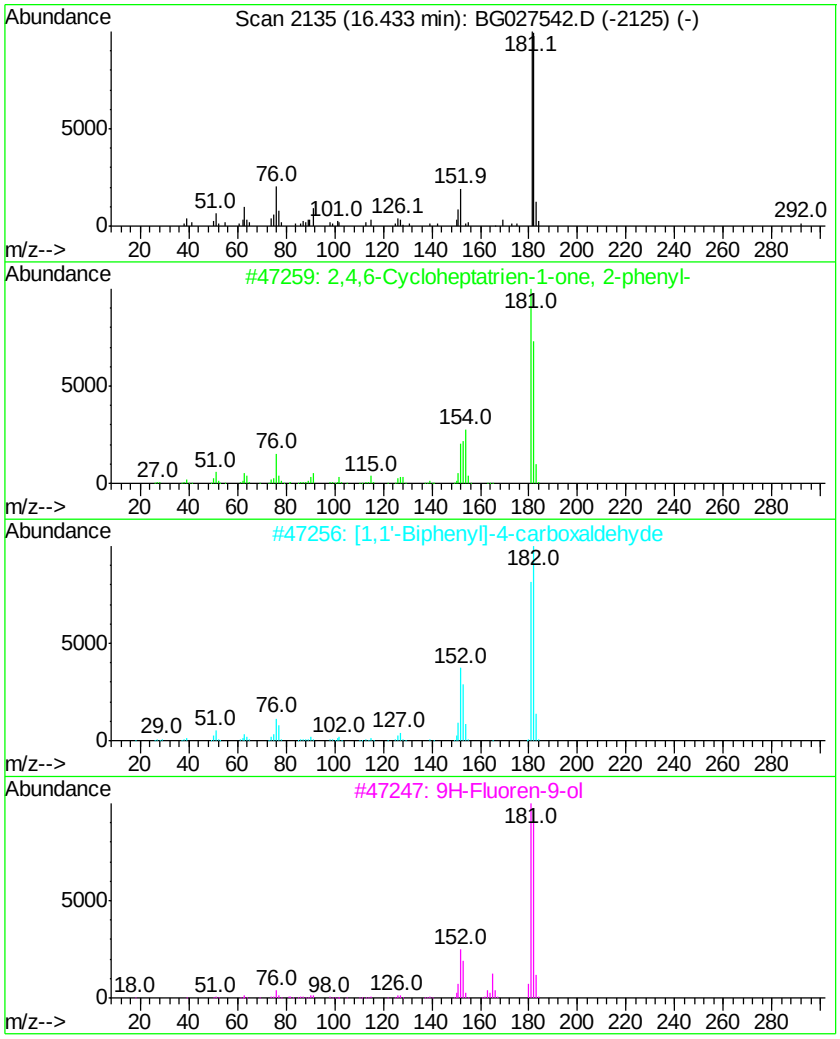
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

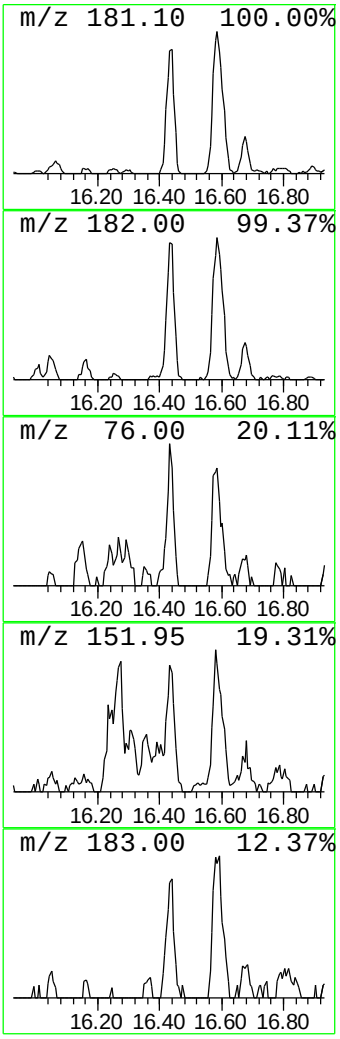
****

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	3.96 ng/ul	117095	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

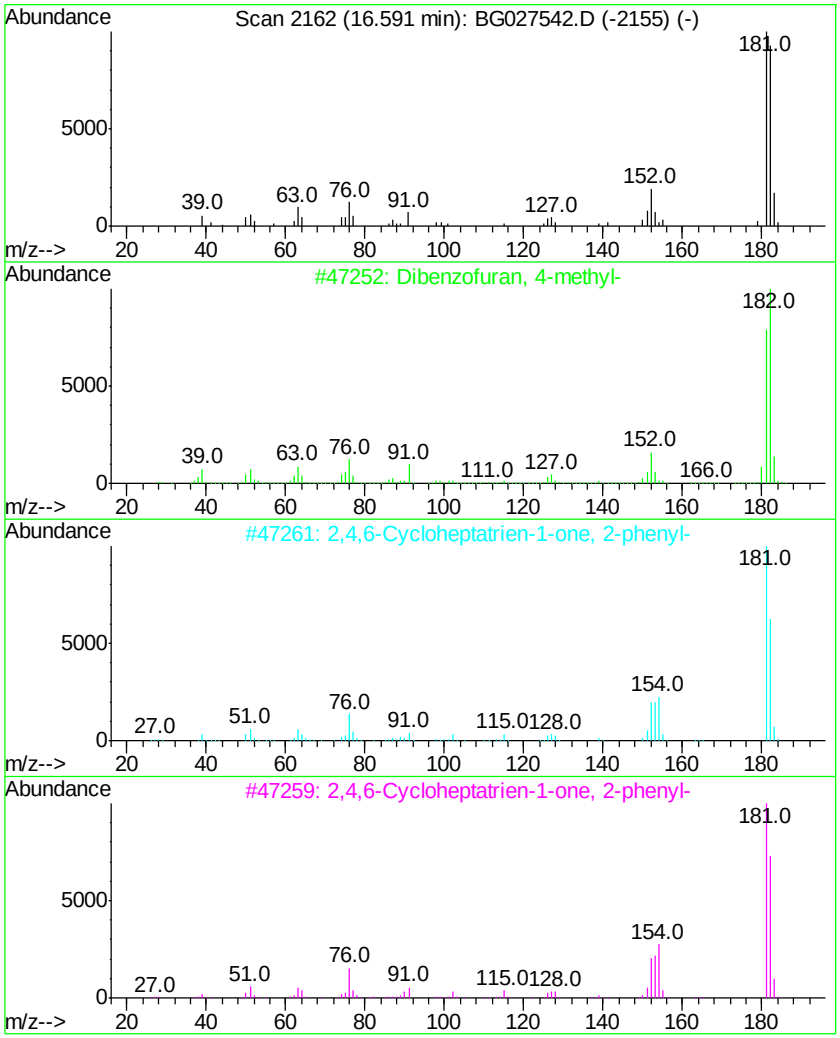
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

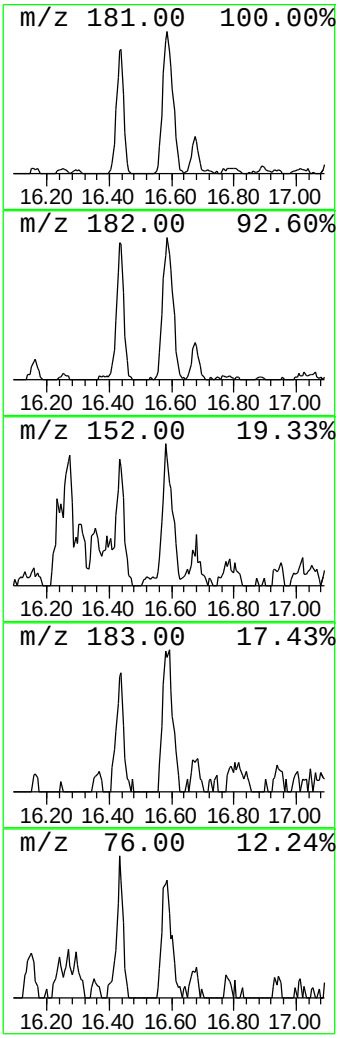
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	3.19 ng/ul	112159	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87





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Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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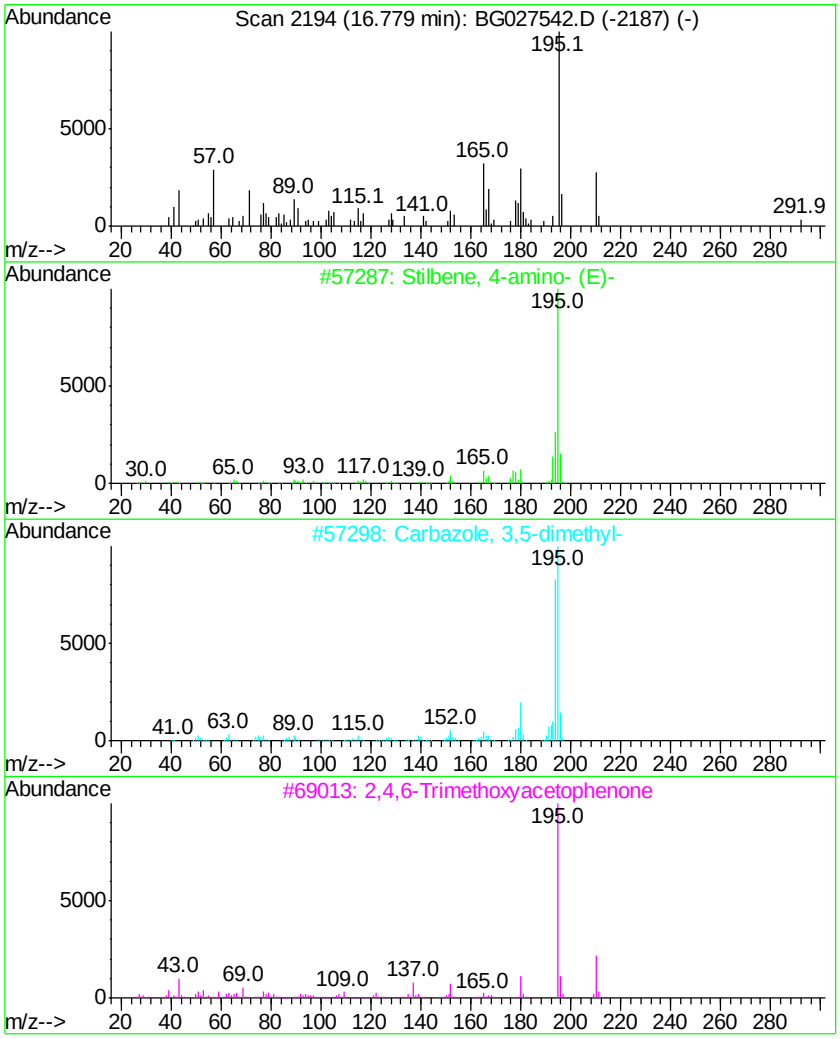
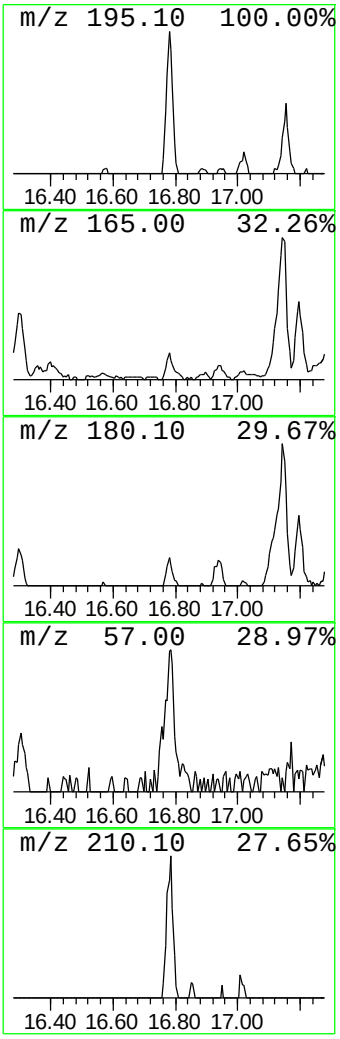
Peak Number 7 Stilbene, 4-amino- (E)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	2.41 ng/ul	84780	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	68
2	Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	59
3	2,4,6-Trimethoxyacetophenone	210	C11H14O4	000832-58-6	52
4	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	52
5	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	50





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Sample : I3599-10DL 30X
Misc :
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Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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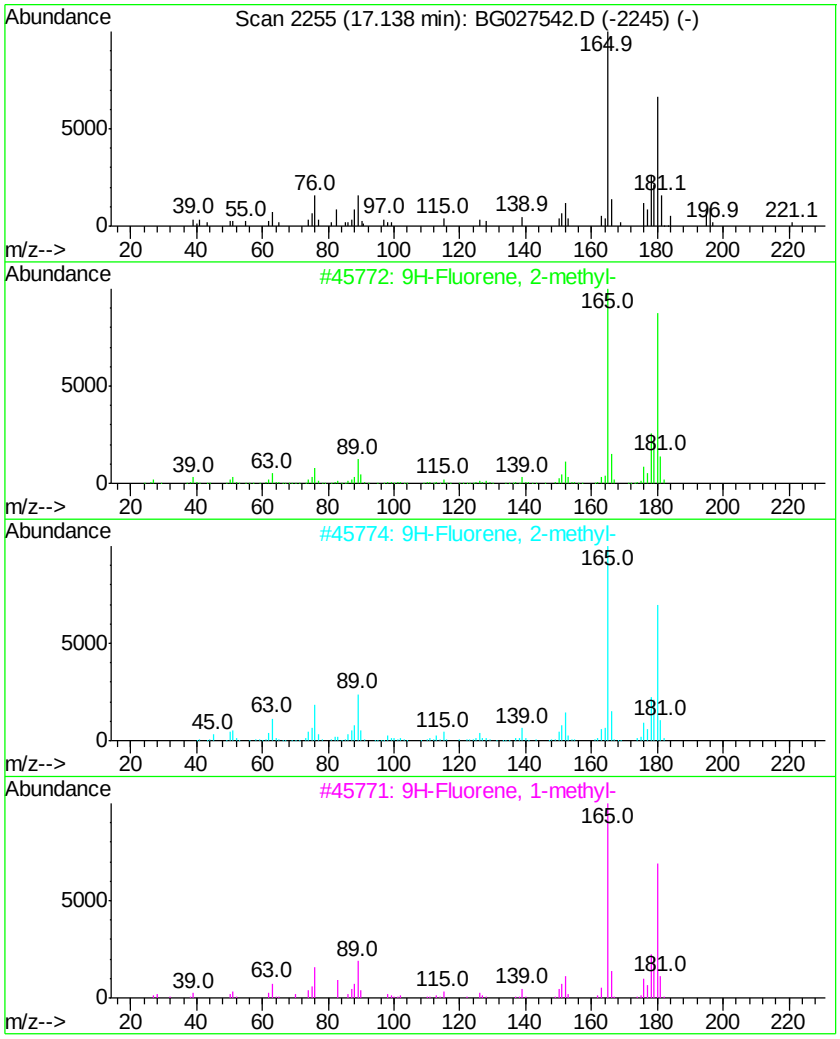
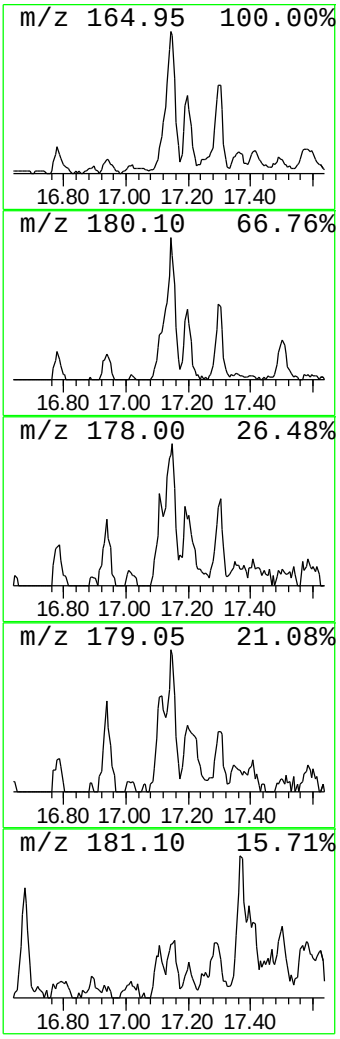
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	3.85 ng/ul	135416	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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Sample : I3599-10DL 30X
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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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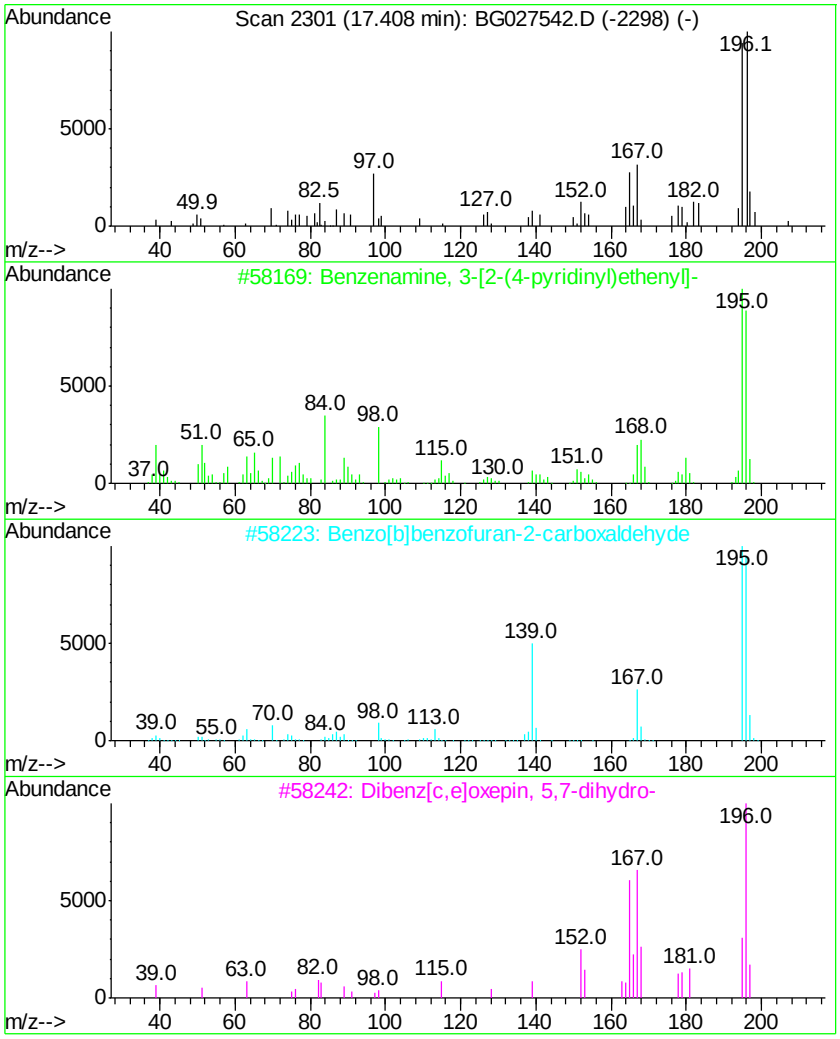
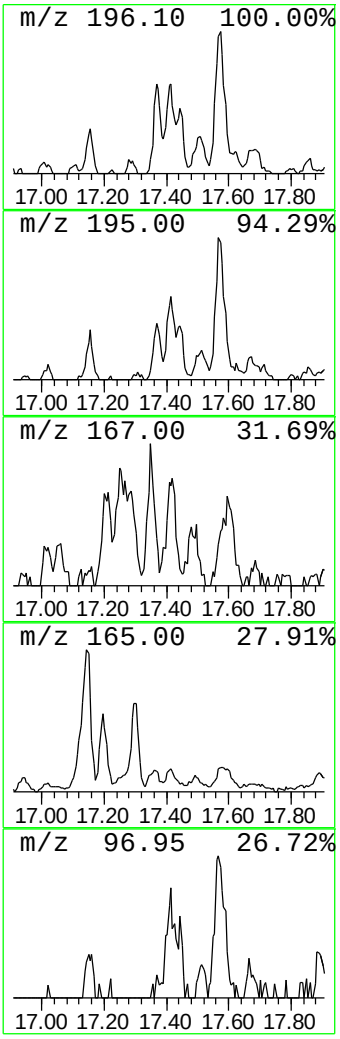
Peak Number 9 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	2.16 ng/ul	75781	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	50
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	49
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	43
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	38





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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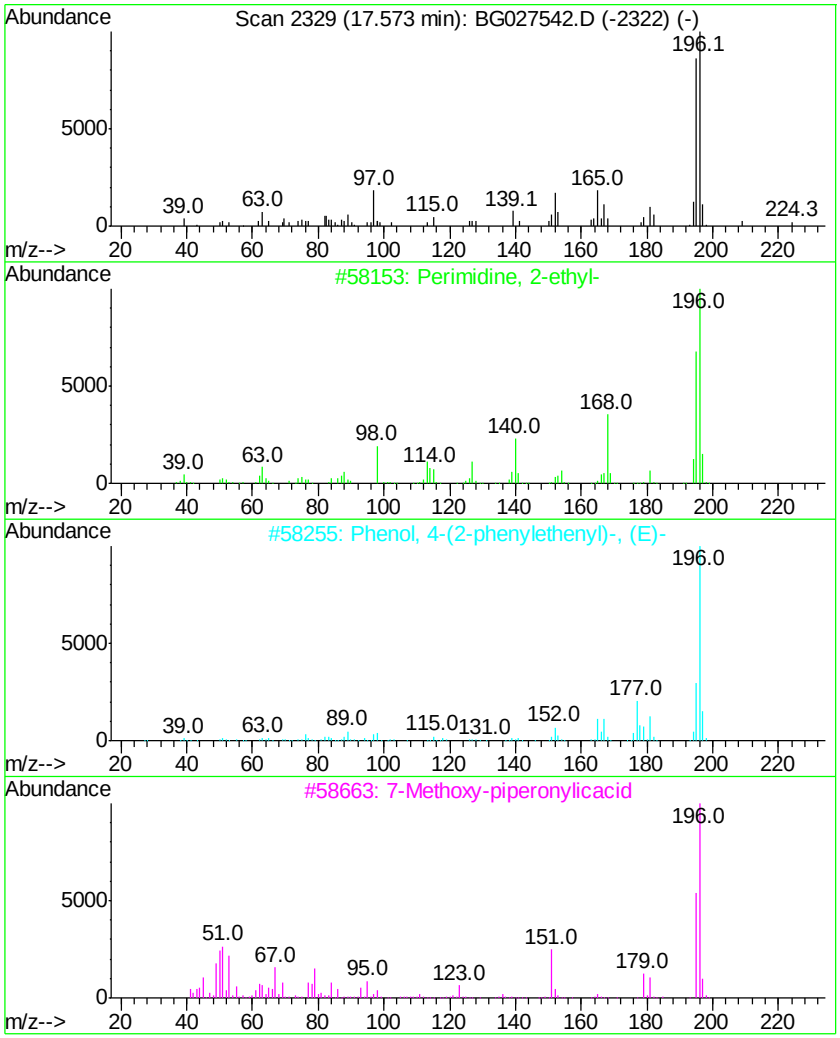
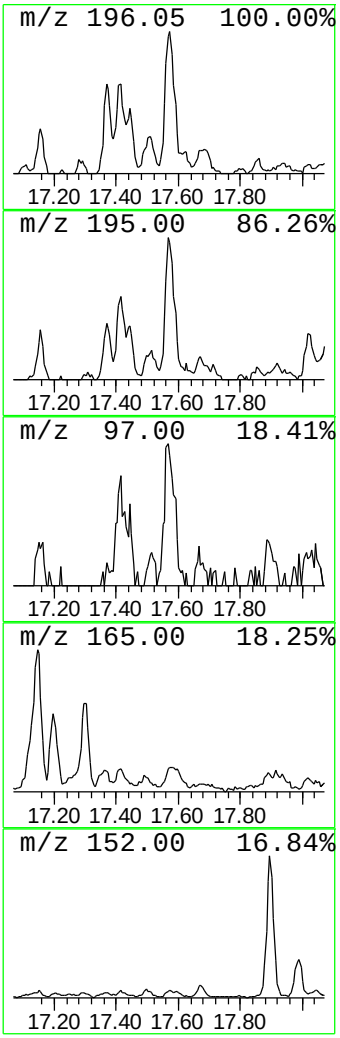
Peak Number 10 Perimidine, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	3.63 ng/ul	127703	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	72
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	47
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	47
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43





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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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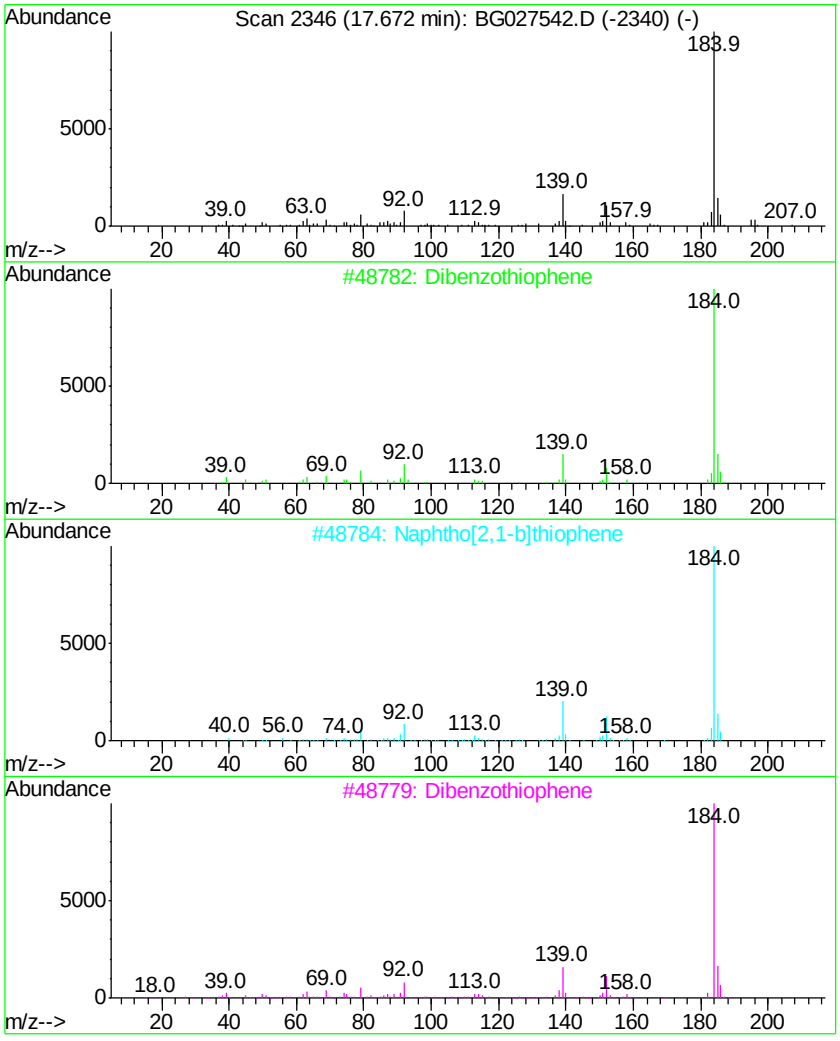
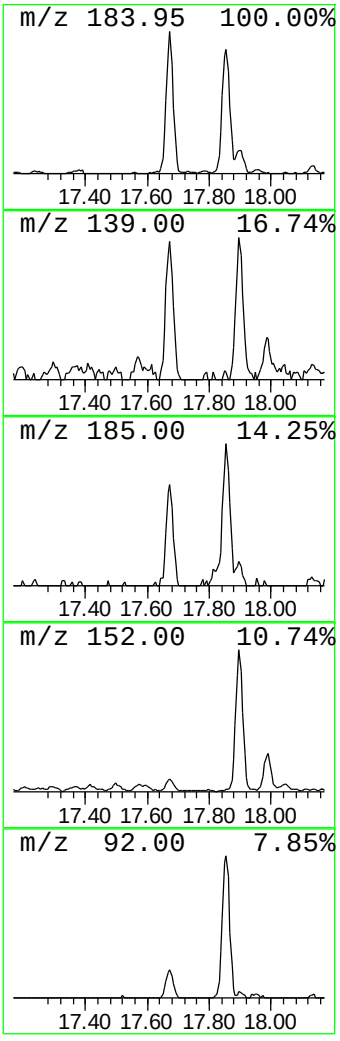
Peak Number 11 Dibenzothiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	3.27 ng/ul	114937	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





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Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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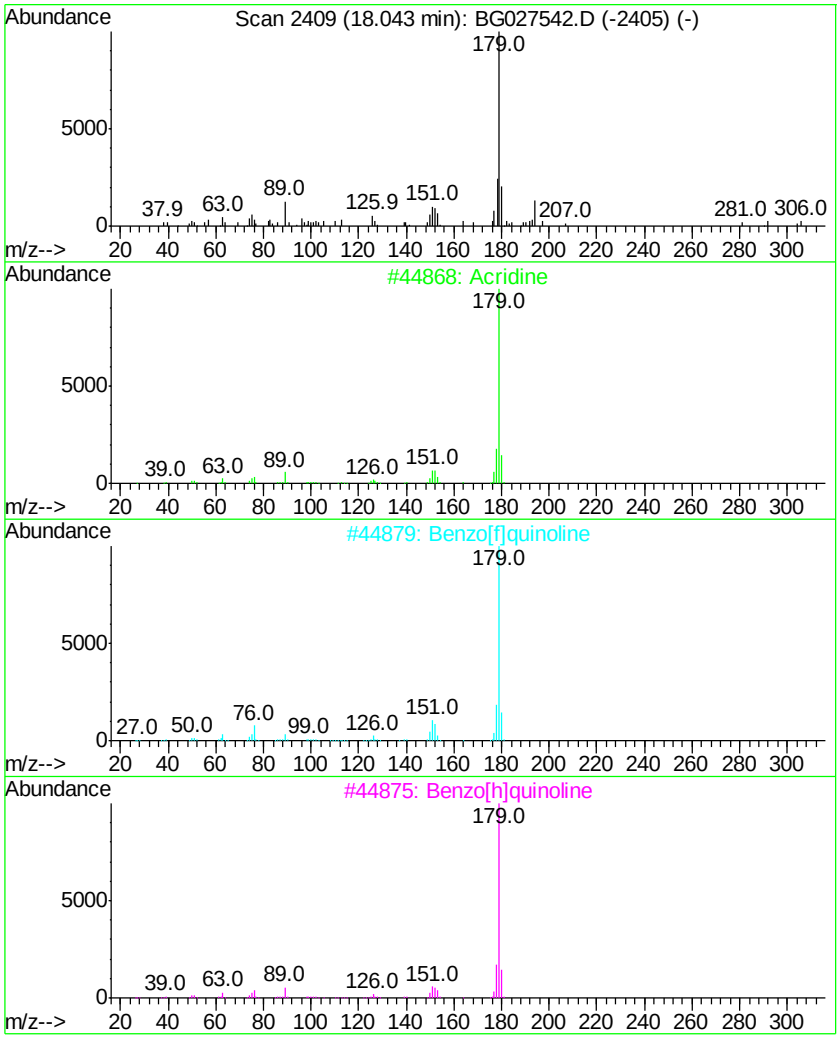
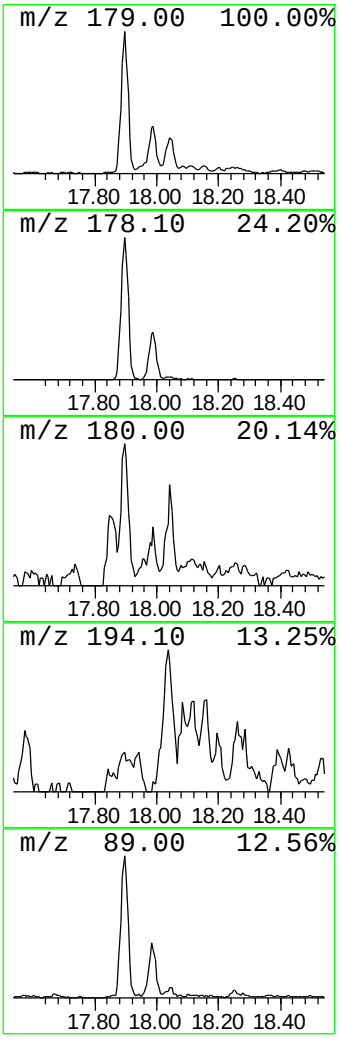
Peak Number 12 Acridine Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.10 ng/ul	73667	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	90
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	83
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	81
4	Acridine	179	C13H9N	000260-94-6	81
5	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	81





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Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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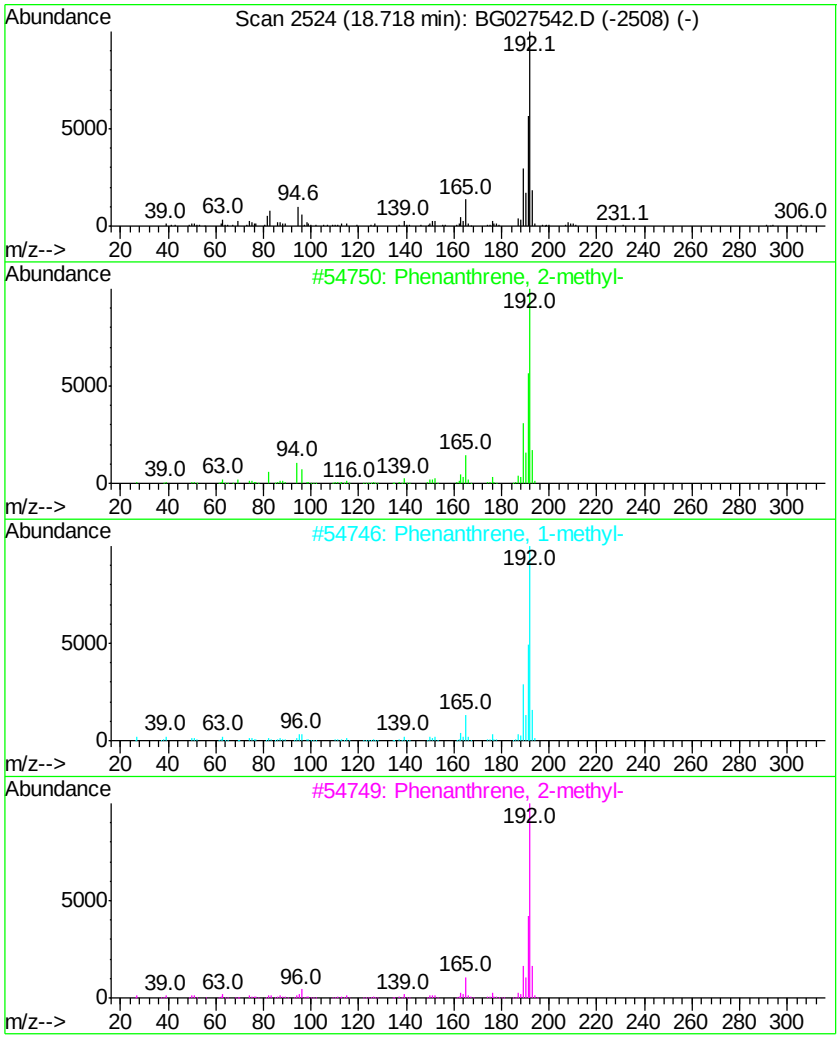
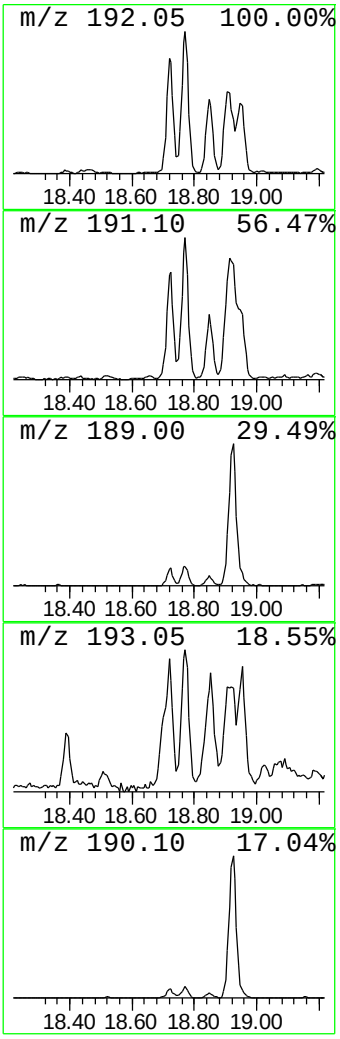
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	6.06 ng/ul	213057	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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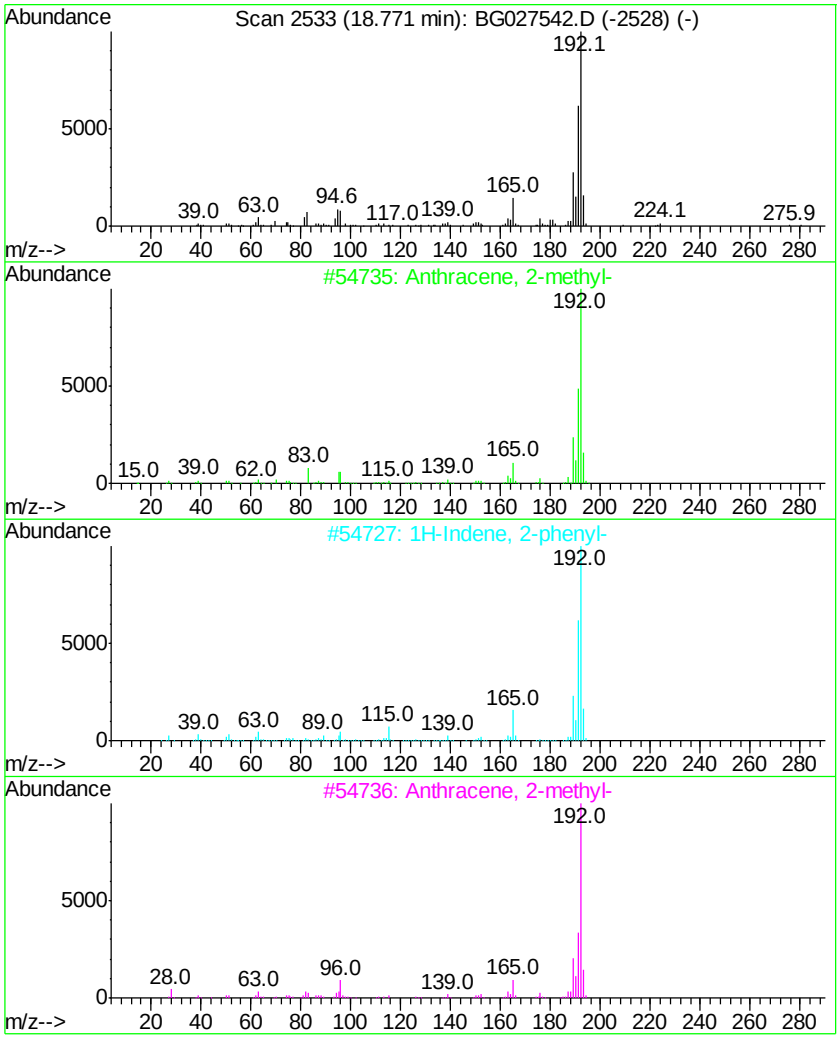
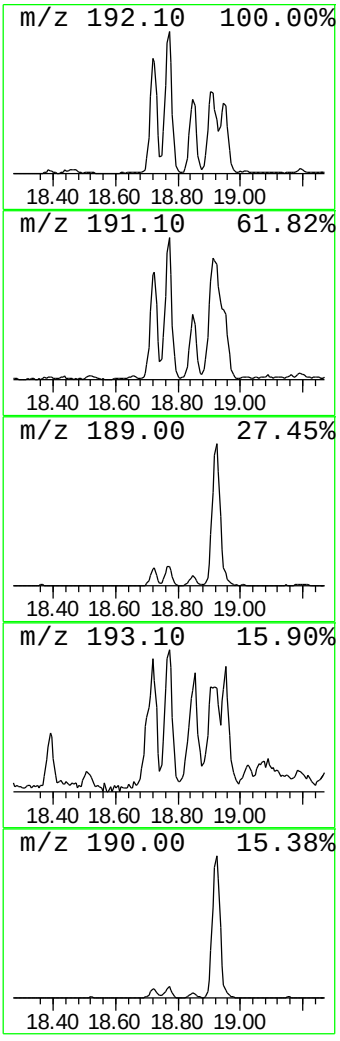
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	6.97 ng/ul	245082	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : I3599-10DL 30X
Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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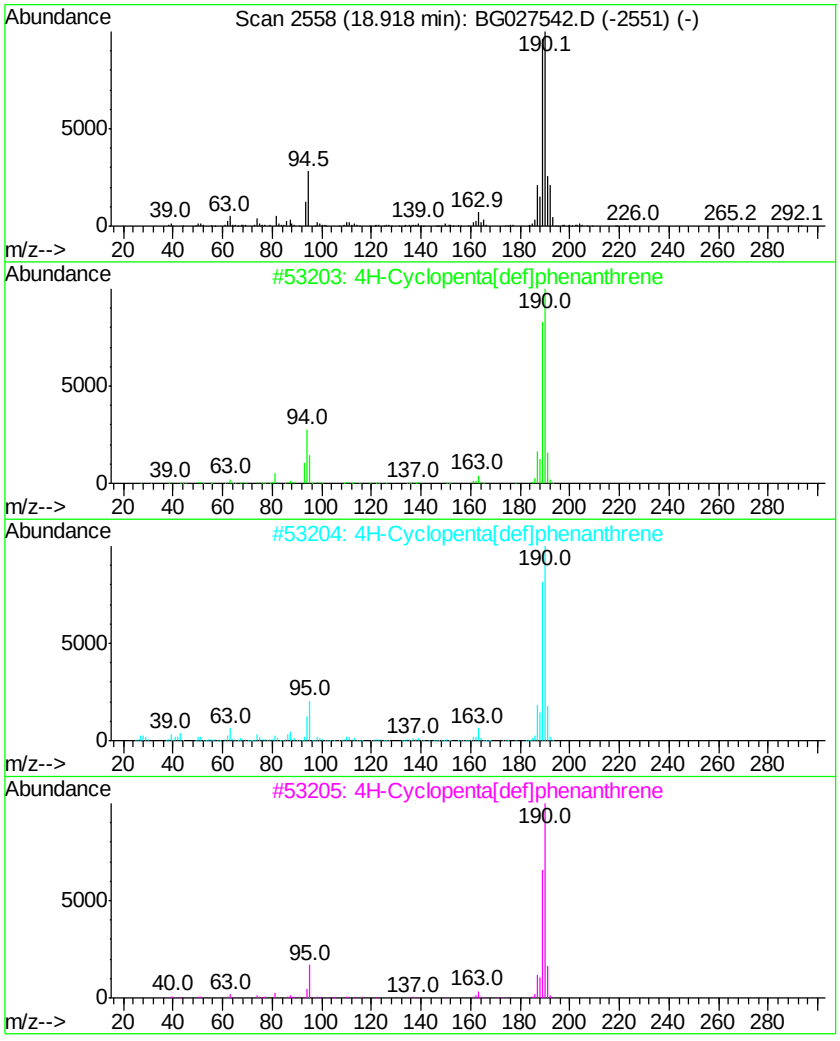
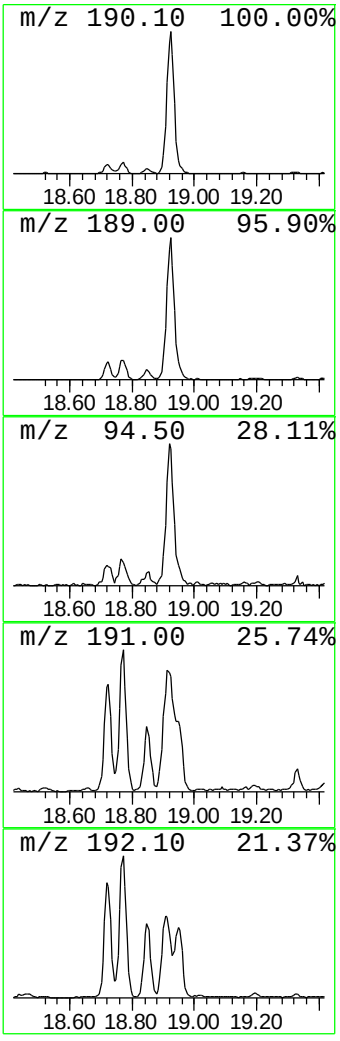
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	21.21 ng/ul	745490	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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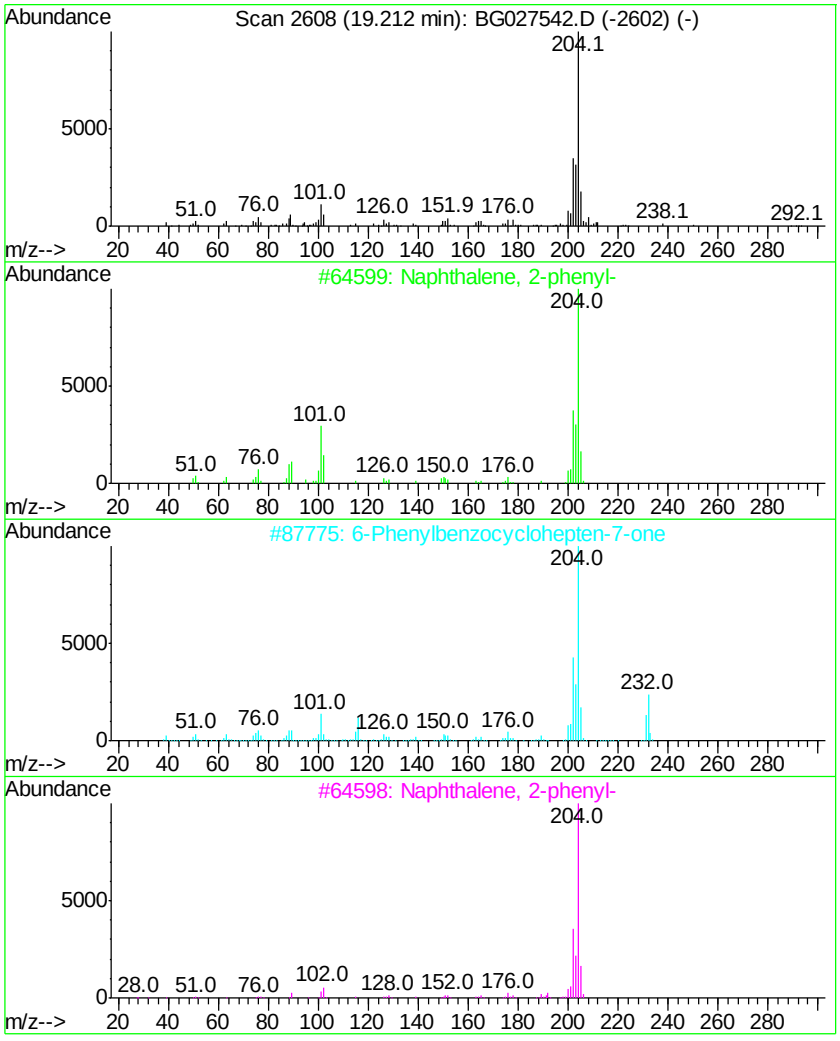
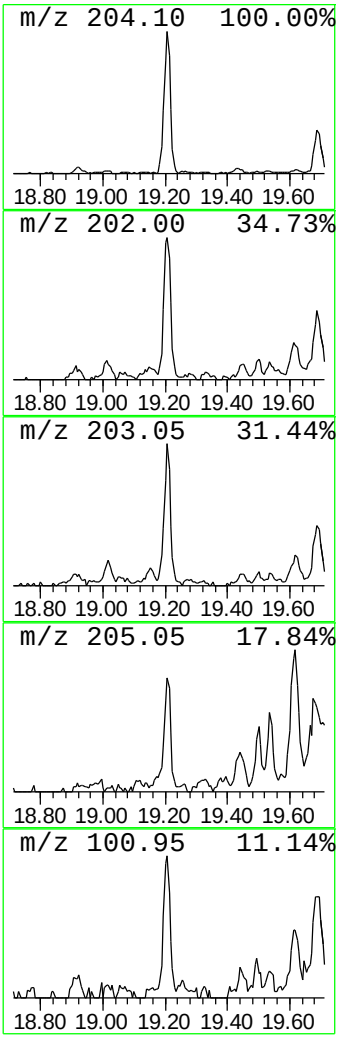
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	3.62 ng/ul	127063	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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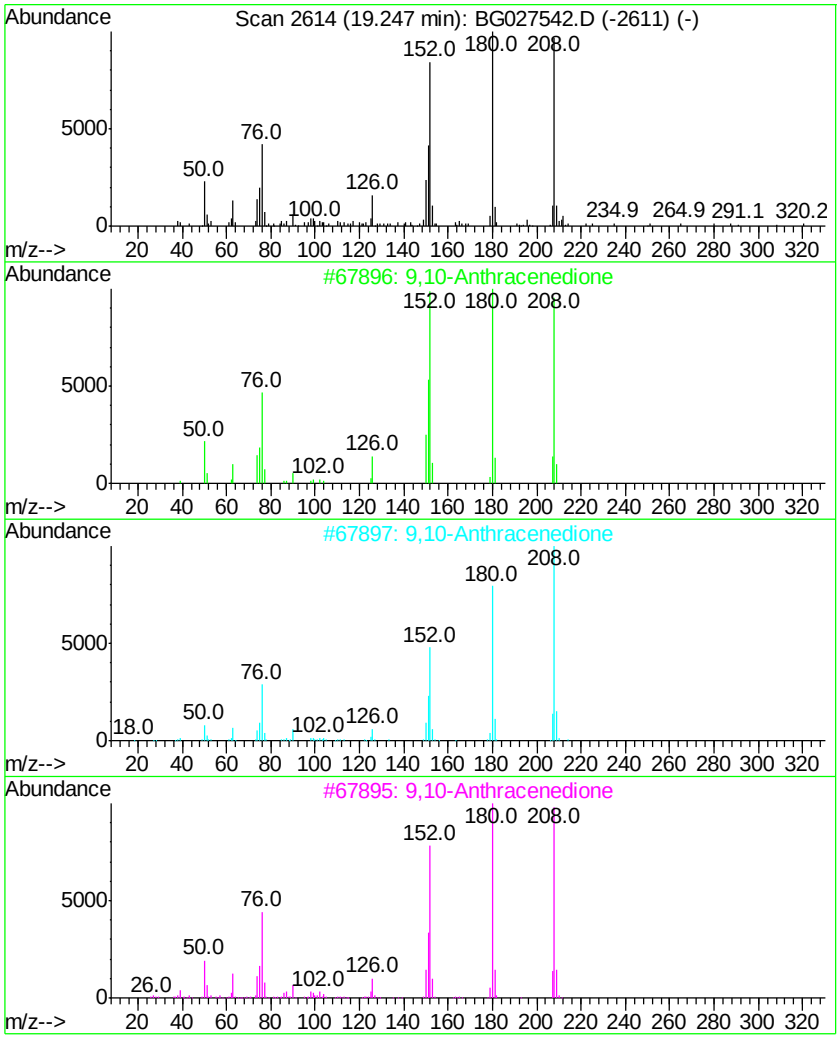
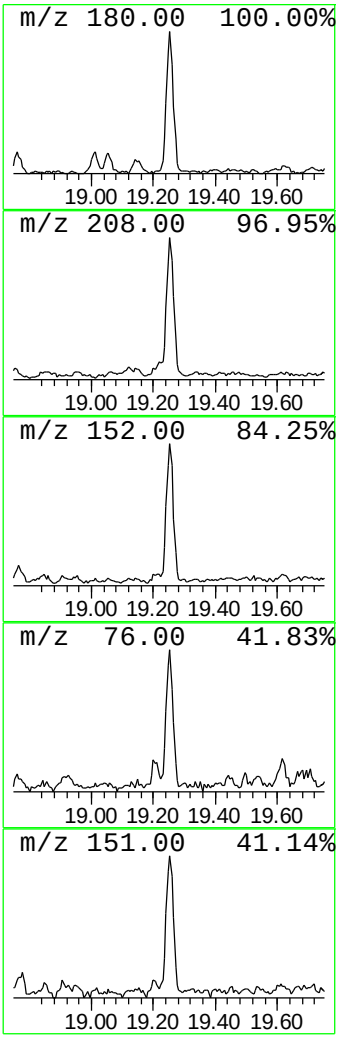
Peak Number 18 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	4.69 ng/ul	164937	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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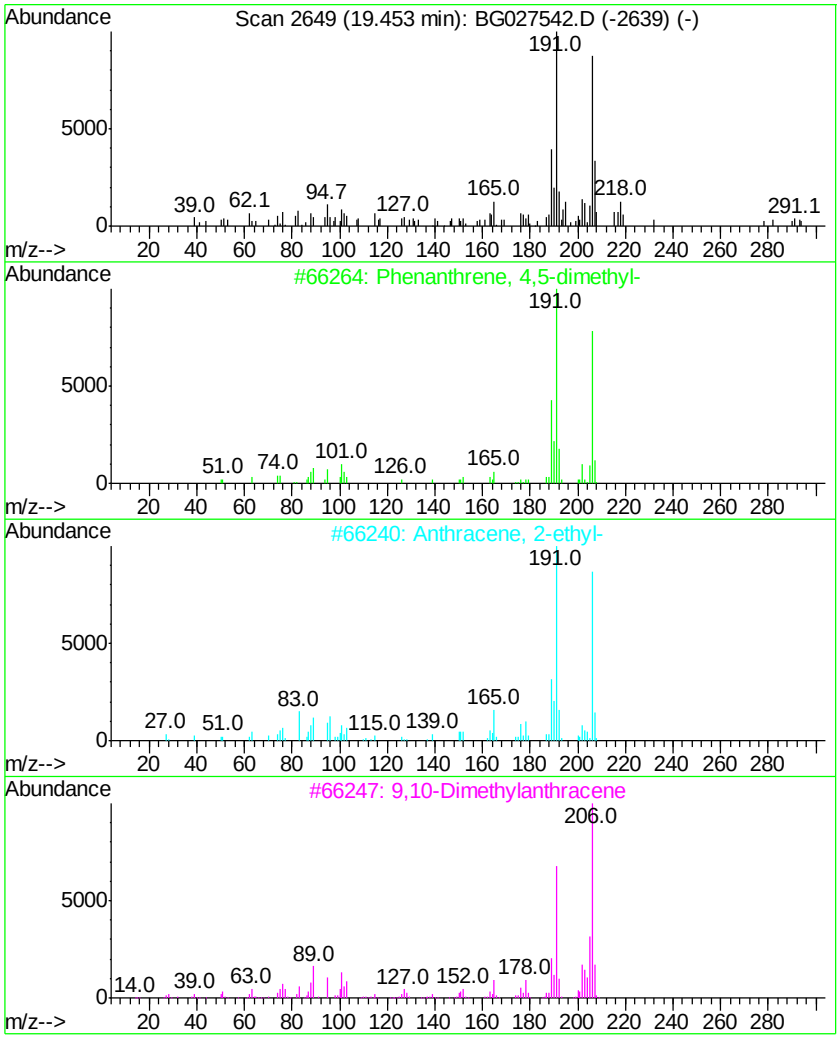
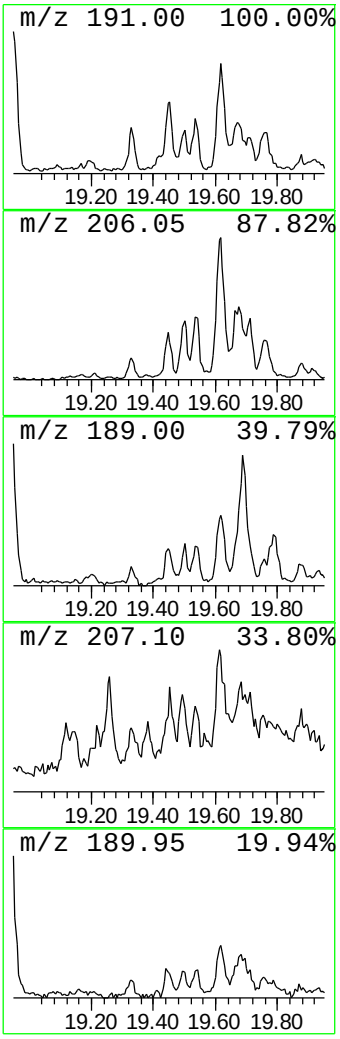
Peak Number 19 Phenanthrene, 4,5-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	2.01 ng/ul	70565	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	83





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Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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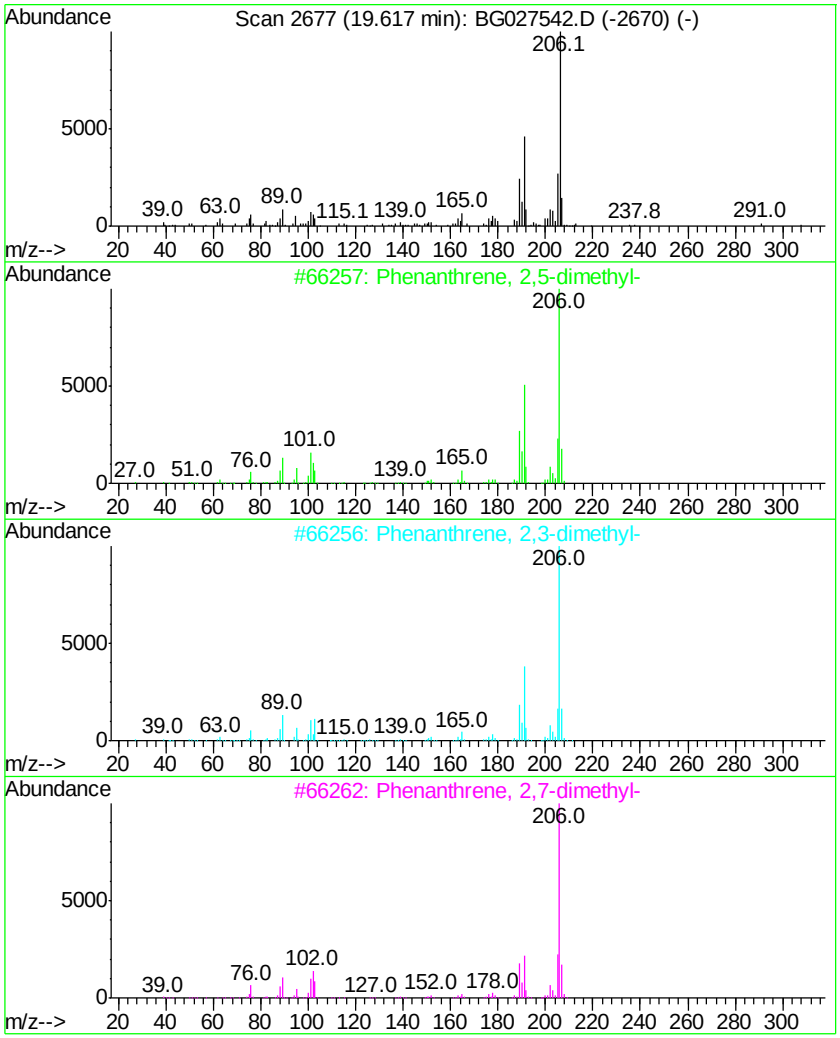
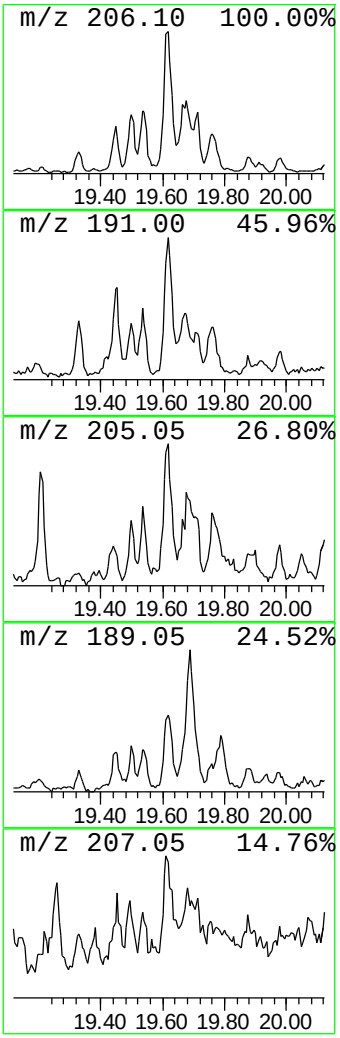
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	4.44 ng/ul	155865	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

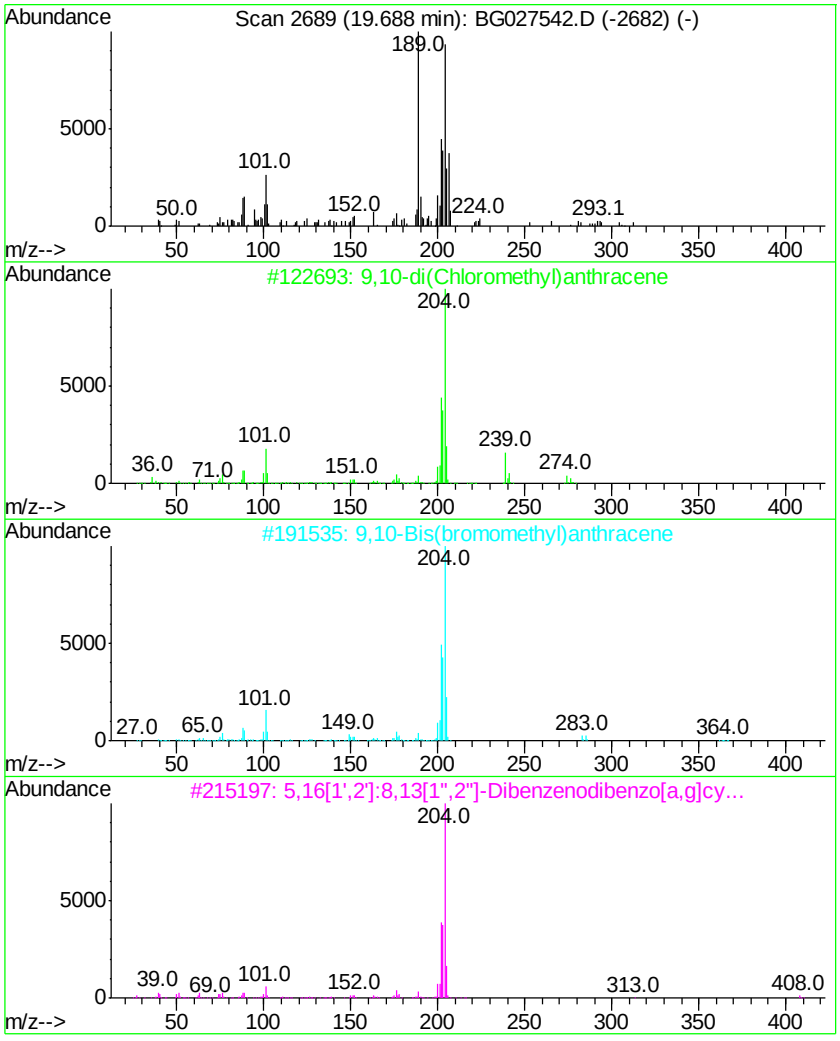
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

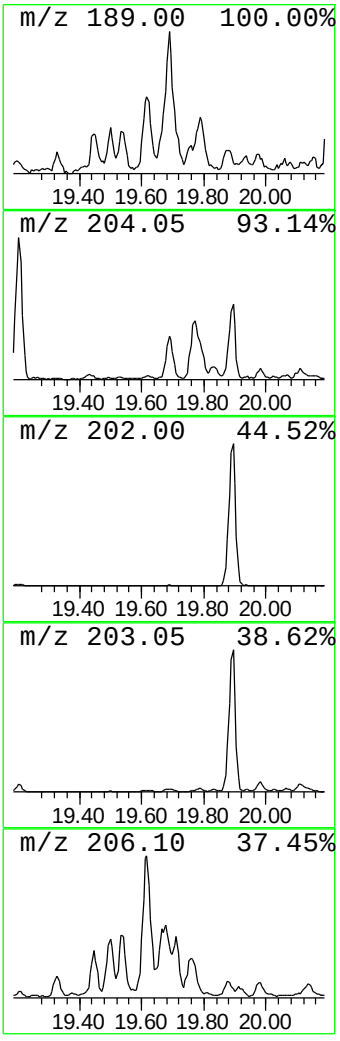
****

Peak Number 21 9,10-di(Chloromethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	4.31 ng/ul	151321	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
4	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	43
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38





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Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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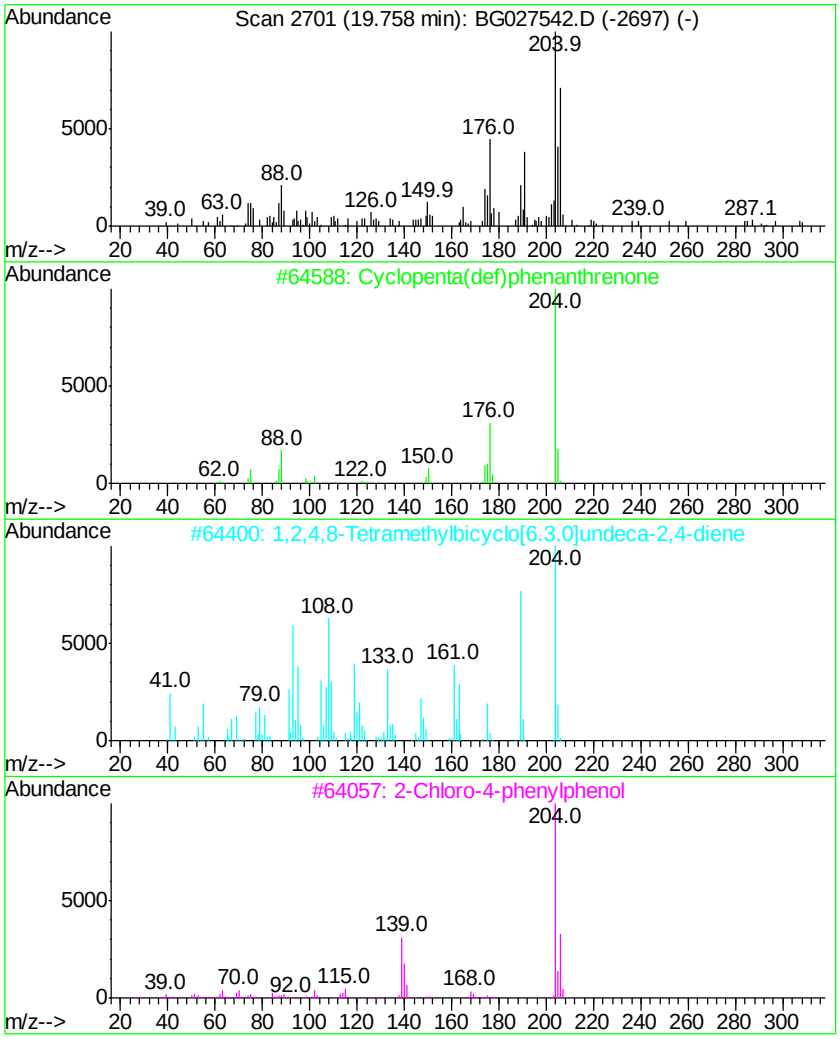
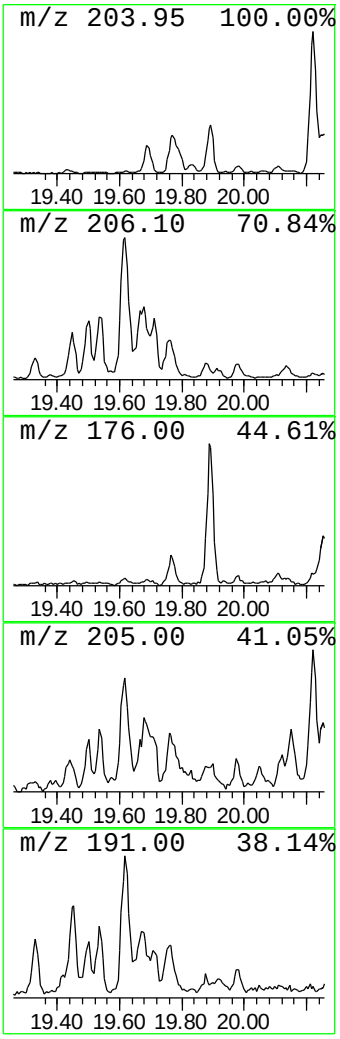
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.54 ng/ul	124397	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





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Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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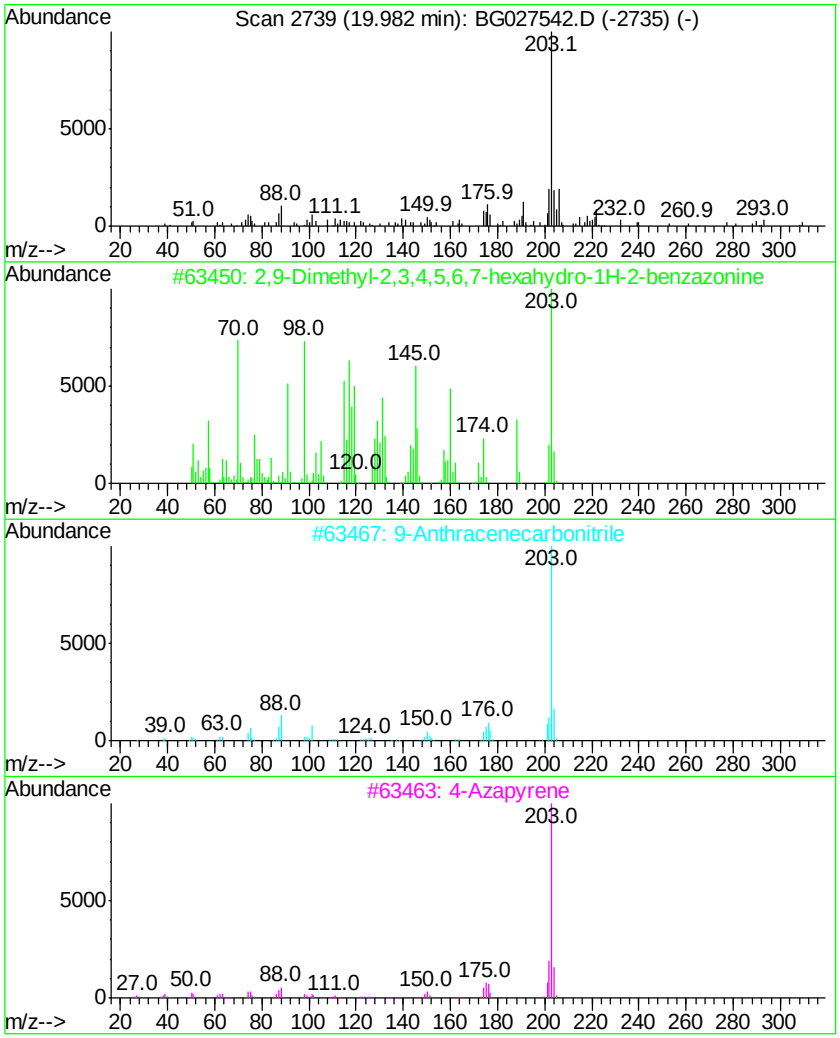
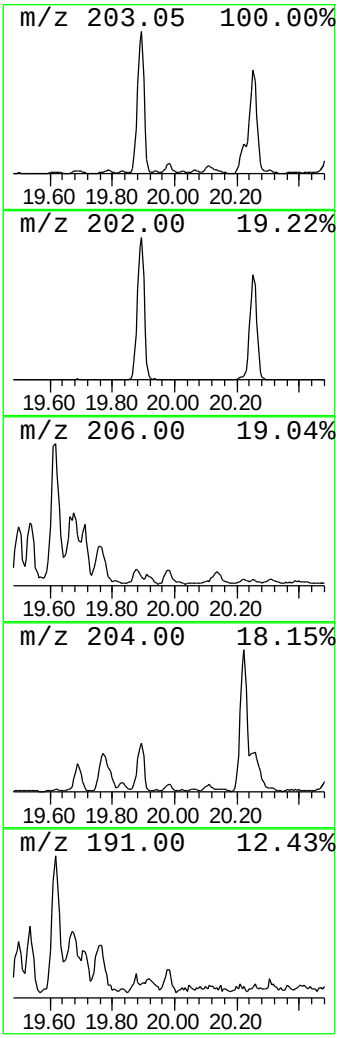
Peak Number 23 2,9-Dimethyl-2,3,4,5,6,7-he... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	2.11 ng/ul	73992	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203	C14H21N	077581-11-4	90
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	86
3	4-Azapyrene	203	C15H9N	000194-03-6	70
4	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	50
5	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	50





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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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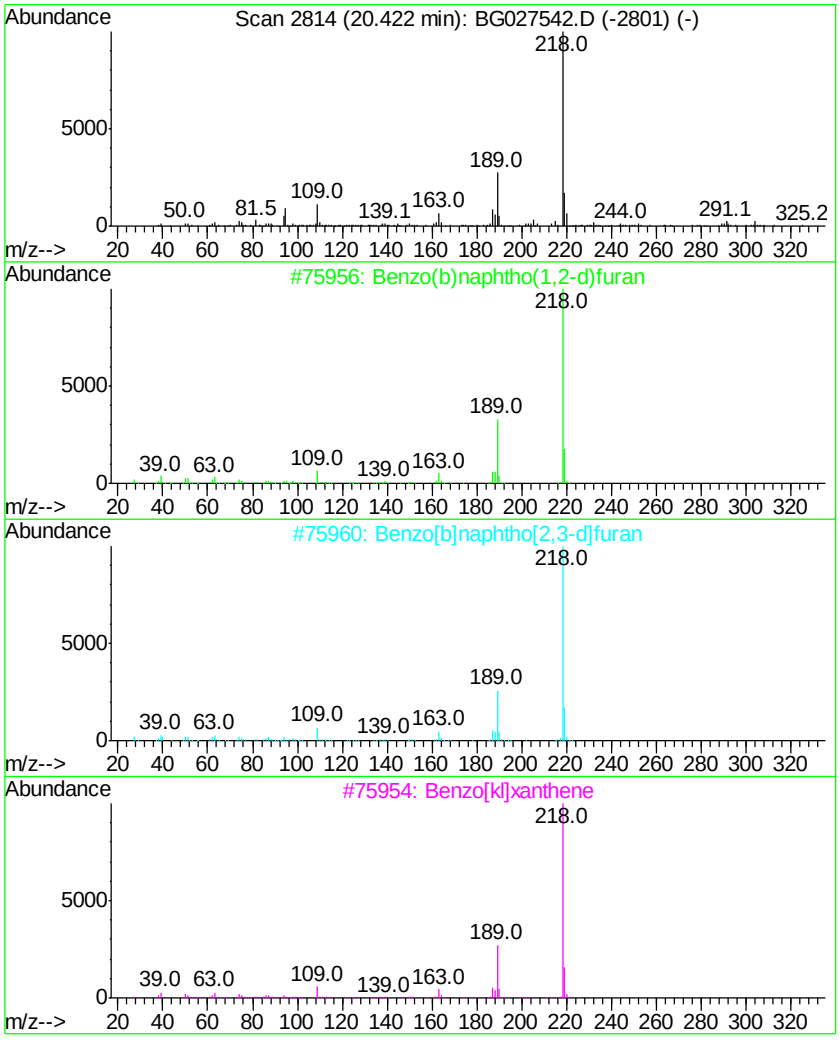
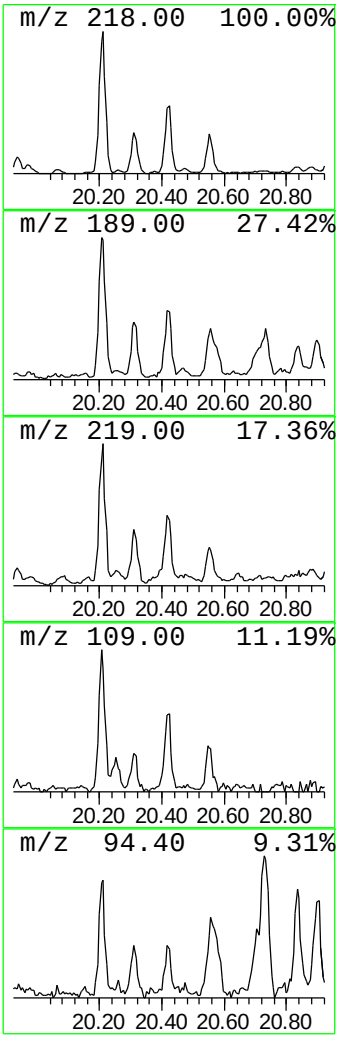
Peak Number 24 Benzo(b)naphtho(1,2-d)furan Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.35 ng/ul	261480	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	95
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





Library Search Compound Report

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Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

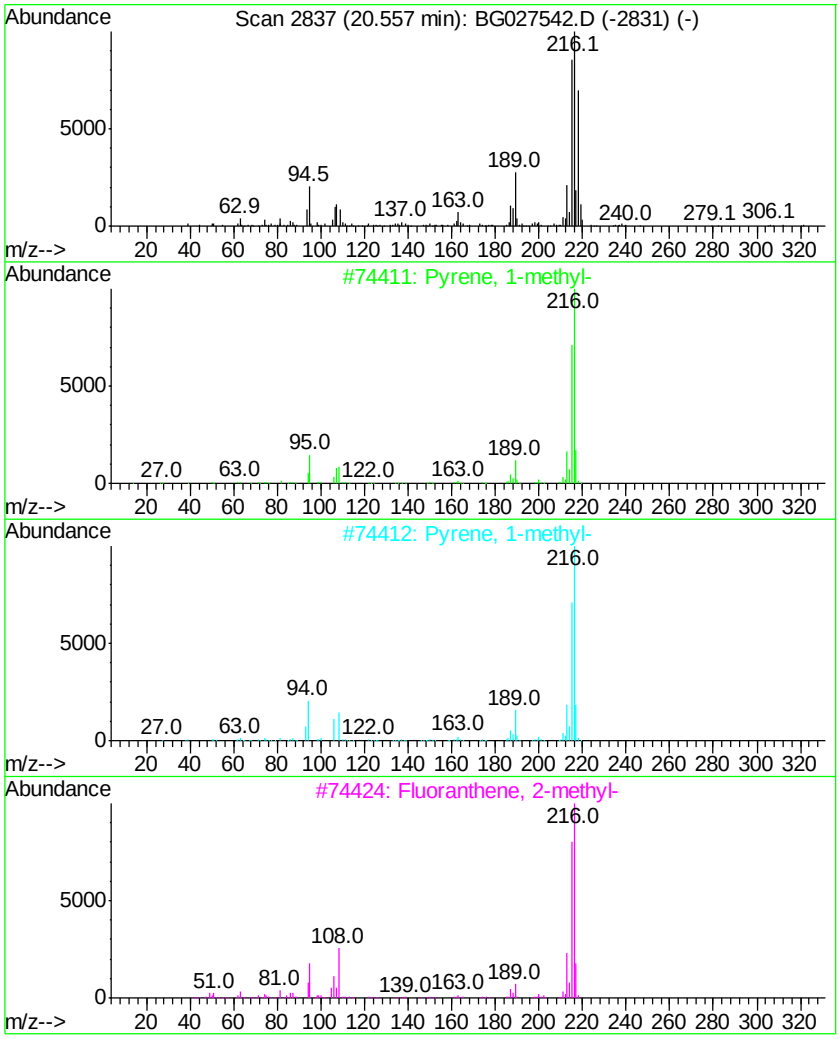
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

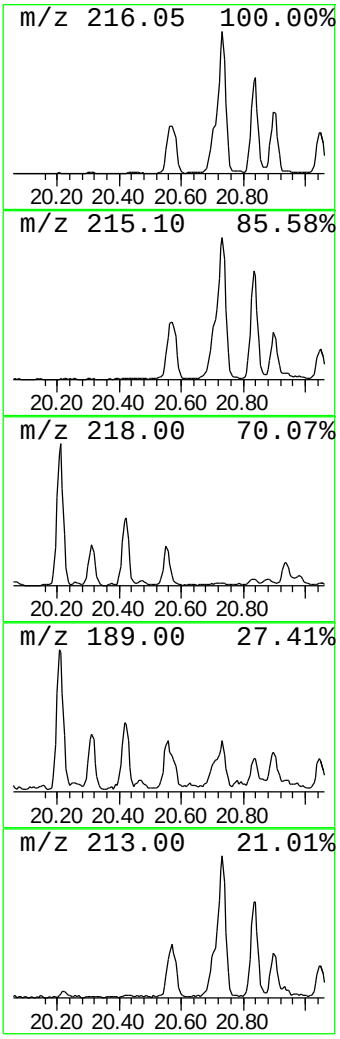
****

Peak Number 25 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	3.17 ng/ul	352791	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Library Search Compound Report

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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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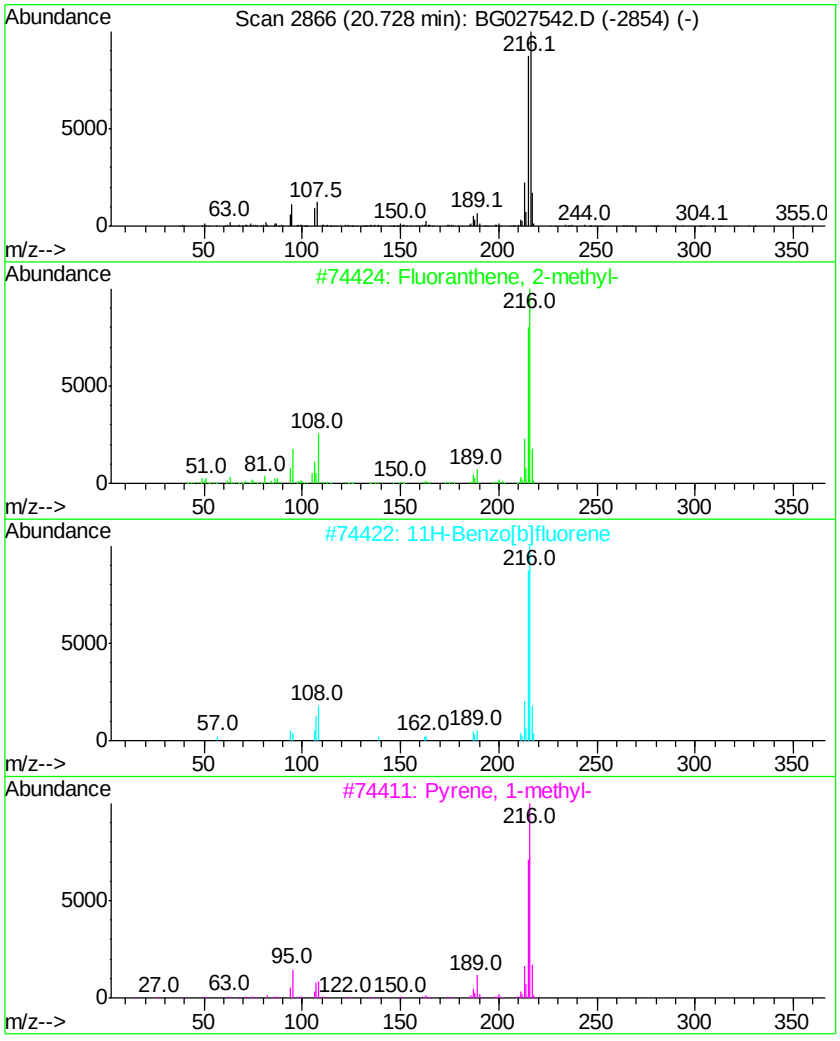
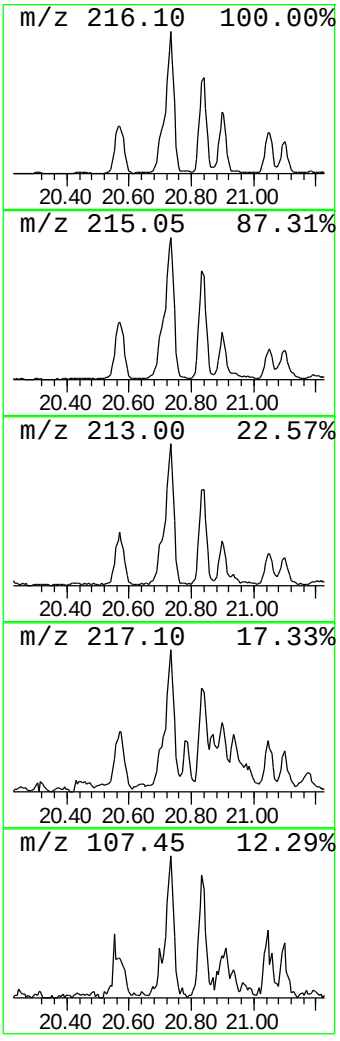
Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	6.70 ng/ul	745240	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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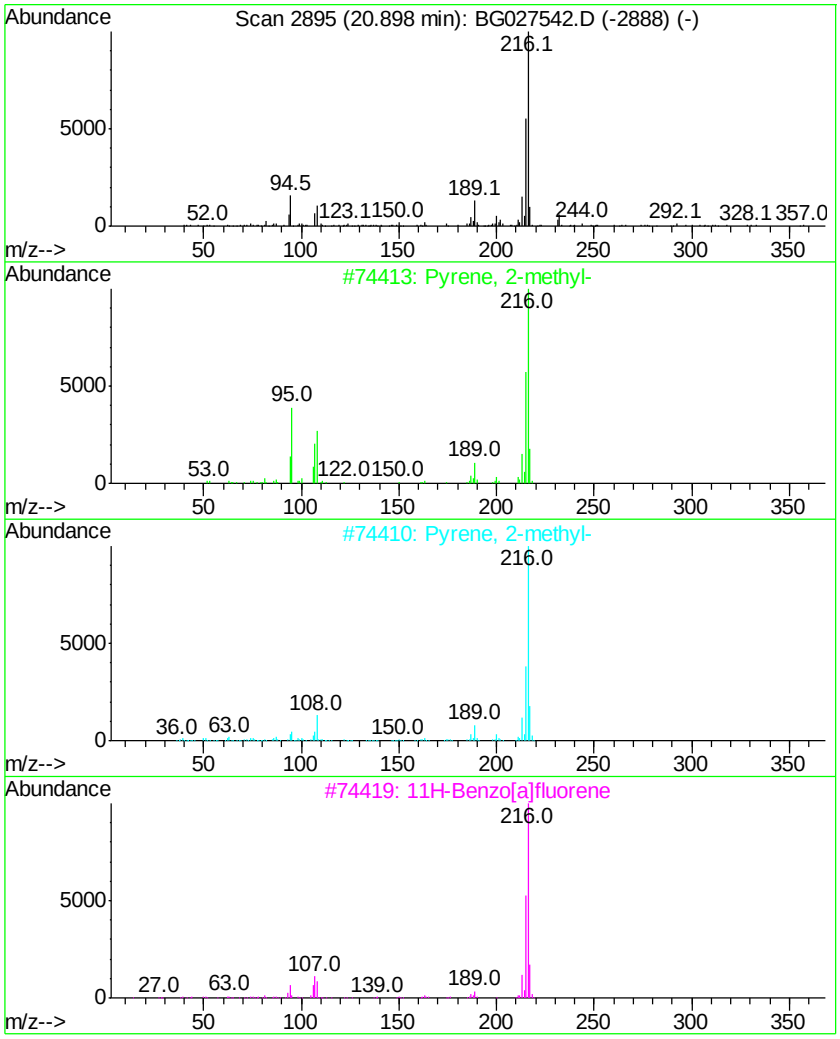
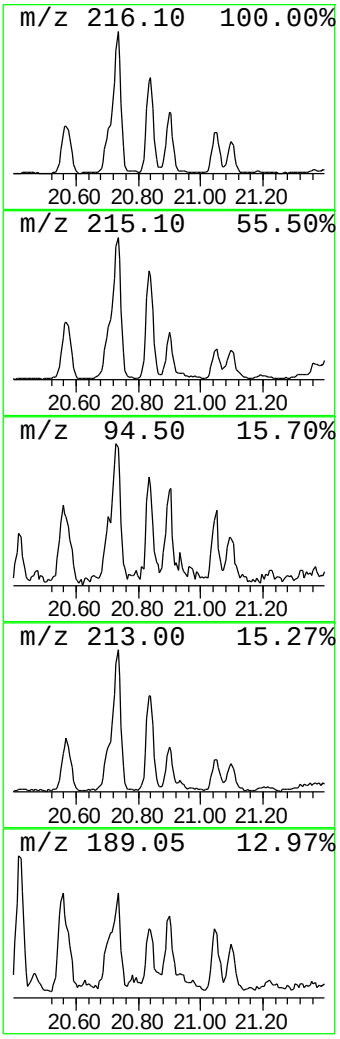
Peak Number 28 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	3.46 ng/ul	384410	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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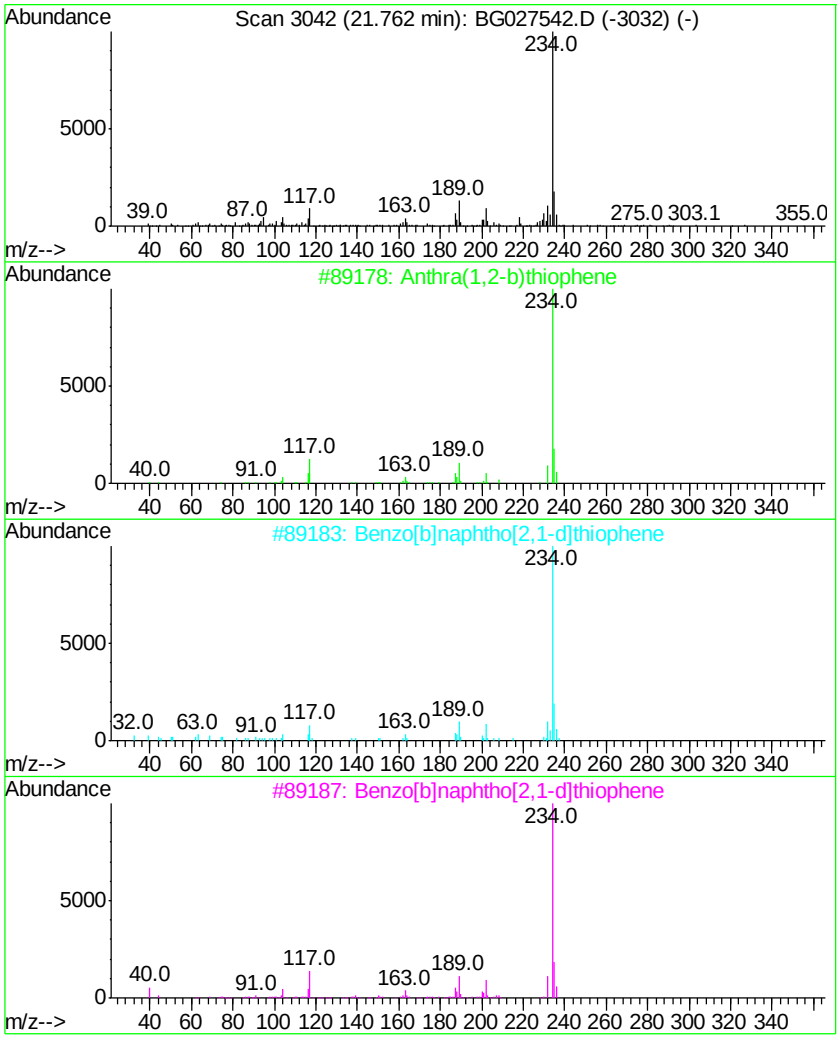
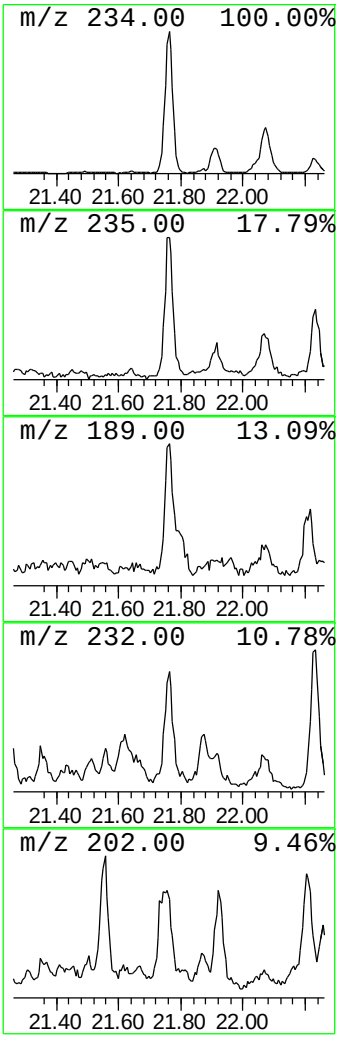
Peak Number 29 Anthra(1,2-b)thiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	3.19 ng/ul	354802	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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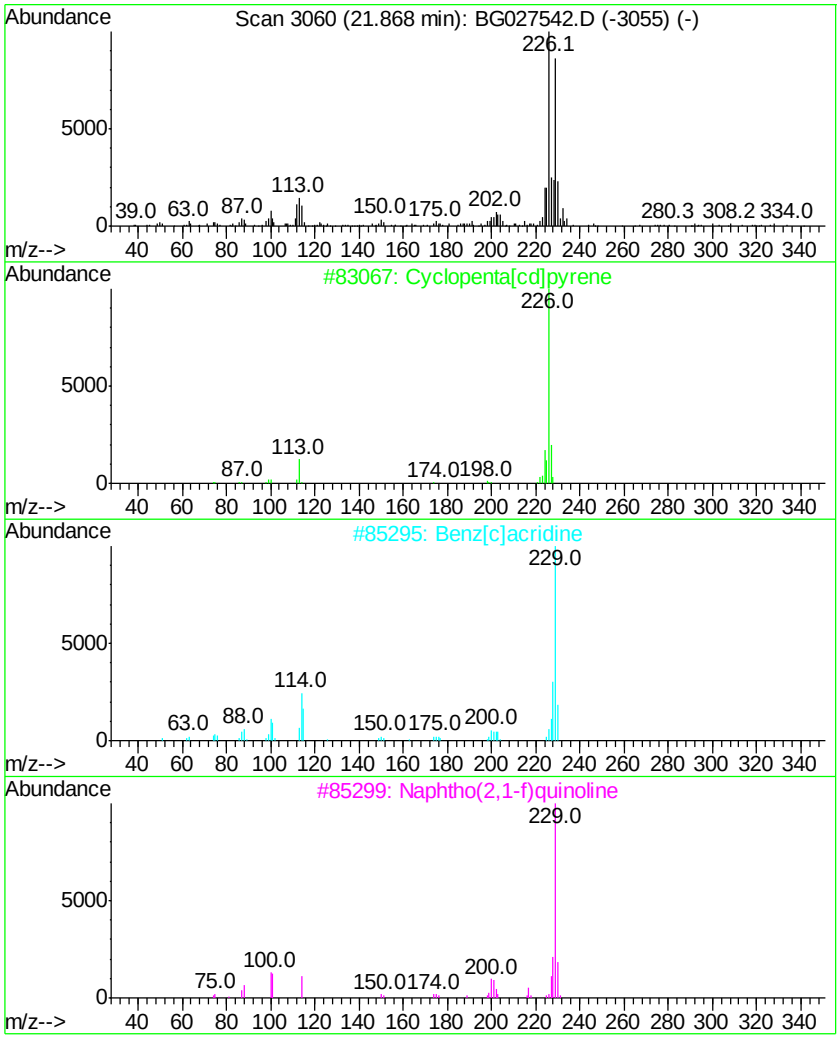
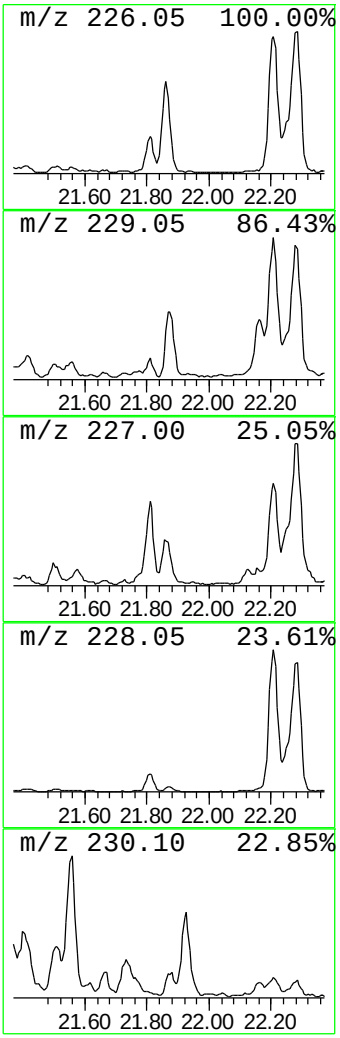
Peak Number 30 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.58 ng/ul	287313	Chrysene-d12	22.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
2	Benz[c]acridine	229	C17H11N	000225-51-4	38
3	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	38
4	Benzimidazole-5-amine, 1-methyl-...	229	C12H11N3S	021444-73-5	30
5	Benzo(a)acridine	229	C17H11N	000225-11-6	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061917\
Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,3-...	14.42	2.0	ng/ul	60025	3	15.10	591021	20.0
1-Isopropenylnaph...	16.27	3.3	ng/ul	97330	3	15.10	591021	20.0
unknown-01	16.30	2.0	ng/ul	60708	3	15.10	591021	20.0
2,4,6-Cycloheptat...	16.43	4.0	ng/ul	117095	3	15.10	591021	20.0
Dibenzofuran, 4-m...	16.59	3.2	ng/ul	112159	4	17.85	702800	20.0
Stilbene, 4-amino...	16.78	2.4	ng/ul	84780	4	17.85	702800	20.0
9H-Fluorene, 2-me...	17.14	3.9	ng/ul	135416	4	17.85	702800	20.0
Benzenamine, 3-[2...	17.41	2.2	ng/ul	75781	4	17.85	702800	20.0
Perimidine, 2-ethyl-	17.57	3.6	ng/ul	127703	4	17.85	702800	20.0
Dibenzothiophene	17.67	3.3	ng/ul	114937	4	17.85	702800	20.0
Acridine	18.04	2.1	ng/ul	73667	4	17.85	702800	20.0
Phenanthrene, 2-m...	18.72	6.1	ng/ul	213057	4	17.85	702800	20.0
Anthracene, 2-met...	18.77	7.0	ng/ul	245082	4	17.85	702800	20.0
4H-Cyclopenta[def...	18.92	21.2	ng/ul	745490	4	17.85	702800	20.0
Naphthalene, 2-ph...	19.21	3.6	ng/ul	127063	4	17.85	702800	20.0
9,10-Anthracenedione	19.25	4.7	ng/ul	164937	4	17.85	702800	20.0
Phenanthrene, 4,5...	19.45	2.0	ng/ul	70565	4	17.85	702800	20.0
Phenanthrene, 2,5...	19.62	4.4	ng/ul	155865	4	17.85	702800	20.0
9,10-di(Chloromet...	19.69	4.3	ng/ul	151321	4	17.85	702800	20.0
Cyclopenta(def)ph...	19.76	3.5	ng/ul	124397	4	17.85	702800	20.0
2,9-Dimethyl-2,3,...	19.98	2.1	ng/ul	73992	4	17.85	702800	20.0
Benzo(b)naphtho(1...	20.42	2.4	ng/ul	261480	5	22.23	2223920	20.0
Pyrene, 1-methyl-	20.56	3.2	ng/ul	352791	5	22.23	2223920	20.0
Fluoranthene, 2-m...	20.73	6.7	ng/ul	745240	5	22.23	2223920	20.0
Pyrene, 2-methyl-	20.90	3.5	ng/ul	384410	5	22.23	2223920	20.0
Anthra(1,2-b)thio...	21.76	3.2	ng/ul	354802	5	22.23	2223920	20.0
unknown-02	21.87	2.6	ng/ul	287313	5	22.23	2223920	20.0